

STN Columbus

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	JAN 08	CHEMLIST enhanced with New Zealand Inventory of Chemicals
NEWS	3	JAN 16	CA/CAPLUS Company Name Thesaurus enhanced and reloaded
NEWS	4	JAN 16	IPC version 2007.01 thesaurus available on STN
NEWS	5	JAN 16	WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data
NEWS	6	JAN 22	CA/CAPLUS updated with revised CAS roles
NEWS	7	JAN 22	CA/CAPLUS enhanced with patent applications from India
NEWS	8	JAN 29	PHAR reloaded with new search and display fields
NEWS	9	JAN 29	CAS Registry Number crossover limit increased to 300,000 in multiple databases
NEWS	10	FEB 15	PATDPASPC enhanced with Drug Approval numbers
NEWS	11	FEB 15	RUSSIAPAT enhanced with pre-1994 records
NEWS	12	FEB 23	KOREAPAT enhanced with IPC 8 features and functionality
NEWS	13	FEB 26	MEDLINE reloaded with enhancements
NEWS	14	FEB 26	EMBASE enhanced with Clinical Trial Number field
NEWS	15	FEB 26	TOXCENTER enhanced with reloaded MEDLINE
NEWS	16	FEB 26	IFICDB/IFIPAT/IFIUDB reloaded with enhancements
NEWS	17	FEB 26	CAS Registry Number crossover limit increased from 10,000 to 300,000 in multiple databases
NEWS	18	MAR 15	WPIDS/WPIX enhanced with new FRAGHITSTR display format
NEWS	19	MAR 16	CASREACT coverage extended
NEWS	20	MAR 20	MARPAT now updated daily
NEWS	21	MAR 22	LWPI reloaded
NEWS	22	MAR 30	RDISCLOSURE reloaded with enhancements
NEWS	23	APR 02	JICST-EPLUS removed from database clusters and STN
NEWS	24	APR 30	GENBANK reloaded and enhanced with Genome Project ID field
NEWS	25	APR 30	CHEMCATS enhanced with 1.2 million new records
NEWS	26	APR 30	CA/CAPLUS enhanced with 1870-1889 U.S. patent records
NEWS	27	APR 30	INPADOC replaced by INPADOCDB on STN
NEWS	28	MAY 01	New CAS web site launched
NEWS	29	MAY 08	CA/CAPLUS Indian patent publication number format defined
NEWS	30	MAY 14	RDISCLOSURE on STN Easy enhanced with new search and display fields
NEWS	31	MAY 21	BIOSIS reloaded and enhanced with archival data
NEWS	32	MAY 21	TOXCENTER enhanced with BIOSIS reload
NEWS	33	MAY 21	CA/CAPLUS enhanced with additional kind codes for German patents
NEWS	34	MAY 22	CA/CAPLUS enhanced with IPC reclassification in Japanese patents
NEWS EXPRESS		NOVEMBER 10	CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS LOGIN			Welcome Banner and News Items
NEWS IPC8			For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 18:46:43 ON 10 JUN 2007

=> file reg
COST IN U.S. DOLLARS

SINCE FILE TOTAL
ENTRY SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 18:47:02 ON 10 JUN 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 8 JUN 2007 HIGHEST RN 936903-01-4
DICTIONARY FILE UPDATES: 8 JUN 2007 HIGHEST RN 936903-01-4

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=> e atorvastatin/cn

E1	1	ATORENU U 60/CN
E2	1	ATOROLIMUMAB/CN
E3	1 -->	ATORVASTATIN/CN
E4	1	ATORVASTATIN .DELTA.-LACTONE/CN
E5	1	ATORVASTATIN ACID/CN
E6	1	ATORVASTATIN ALLYL ESTER/CN
E7	1	ATORVASTATIN AMMONIUM SALT/CN
E8	1	ATORVASTATIN BENZYL ESTER/CN
E9	1	ATORVASTATIN CALCIUM/CN
E10	1	ATORVASTATIN HEMICALCIUM/CN
E11	1	ATORVASTATIN HEMICALCIUM SALT/CN
E12	1	ATORVASTATIN HEMICALCIUM TRIHYDRATE/CN

=> s e3

L1 1 ATORVASTATIN/CN

=> e cerivastatin/cn

E1	1	CERIUM-GERMANIUM COMPD./CN
E2	1	CERIUM-HYDROXYQUINOLINE BIS (ACETYLACETONATE)/CN
E3	1 -->	CERIVASTATIN/CN
E4	1	CERIVASTATIN HEMICALCIUM/CN
E5	1	CERIVASTATIN SODIUM/CN
E6	1	CERK PROTEIN (HUMAN CLONE IMAGE:6185601)/CN
E7	1	CERKOCID/CN
E8	1	CERLAN/CN
E9	1	CERLEASIDE A/CN
E10	1	CERLEASIDE B/CN
E11	1	CERM 10137/CN
E12	1	CERM 10202/CN

=> s e3

L2 1 CERIVASTATIN/CN

=> e lovastatin/cn

E1	1	LOVAN/CN
E2	1	LOVASICE S 2-1650/2/CN
E3	1 -->	LOVASTATIN/CN
E4	1	LOVASTATIN 8'-(.ALPHA.-METHYLBUTYRYLOXY) ESTERASE/CN
E5	1	LOVASTATIN ACETATE/CN
E6	1	LOVASTATIN ACID/CN
E7	1	LOVASTATIN ACID AMIDE/CN
E8	1	LOVASTATIN AMMONIUM SALT/CN
E9	1	LOVASTATIN BUTYLAMIDE/CN
E10	1	LOVASTATIN DIKETIDE SYNTHASE/CN

E11 1 LOVASTATIN DIMER/CN
E12 1 LOVASTATIN DIOL LACTONE/CN

=> s e3

L3 1 LOVASTATIN/CN

=> d

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN

RN 75330-75-5 REGISTRY

ED Entered STN: 16 Nov 1984

CN Butanoic acid, 2-methyl-, (1S,3R,7S,8S,8aR)-1,2,3,7,8,8a-hexahydro-3,7-dimethyl-8-[2-[(2R,4R)-tetrahydro-4-hydroxy-6-oxo-2H-pyran-2-yl]ethyl]-1-naphthalenyl ester, (2S)- (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Butanoic acid, 2-methyl-, 1,2,3,7,8,8a-hexahydro-3,7-dimethyl-8-[2-(tetrahydro-4-hydroxy-6-oxo-2H-pyran-2-yl)ethyl]-1-naphthalenyl ester, [1S-[1 α (R*),3 α ,7 β ,8 β (2S*,4S*),8a β]]-

OTHER NAMES:

CN (+)-Mevinolin

CN 6 α -Methylcompactin

CN Altacor

CN Antibiotic MB 530B

CN L 154803

CN Lostatin

CN Lovalip

CN **Lovastatin**

CN Lovastatin lactone

CN Mevacor

CN Mevinacor

CN Mevinolin

CN Mevlor

CN MK 803

CN Monacolin K

CN Monacolin K lactone

CN MSD 803

CN Sivlor

FS STEREOSEARCH

DR 71949-96-7, 74133-25-8, 81739-26-6

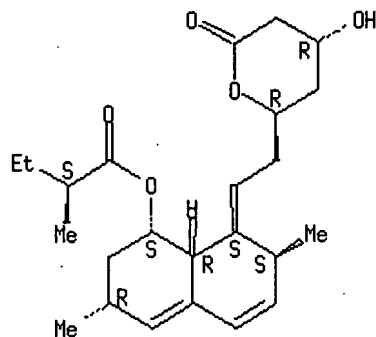
MF C24 H36 O5

CI COM

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DRUGU, EMBASE, HSDB*, IFICDB, IFIUDB, IMSCOSEARCH, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, PATDPASPC, PHAR, PROMT, PROUSDDR, PS, RTECS*, SCISEARCH, SPECINFO, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL
(*File contains numerically searchable property data)

Other Sources: WHO

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3265 REFERENCES IN FILE CA (1907 TO DATE)

83 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

3290 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> e simvastatin/cn

E1 1 SIMUSOL PTPE/CN
 E2 1 SIMUVAX/CN
 E3 1 --> SIMVASTATIN/CN
 E4 1 SIMVASTATIN ACETATE/CN
 E5 1 SIMVASTATIN ACID/CN
 E6 1 SIMVASTATIN ACID AMMONIUM SALT/CN
 E7 1 SIMVASTATIN ACID CALCIUM SALT/CN
 E8 1 SIMVASTATIN ACID-18O2/CN
 E9 1 SIMVASTATIN AMMONIUM SALT/CN
 E10 1 SIMVASTATIN BENZOATE/CN
 E11 1 SIMVASTATIN CARBOXYLIC ACID/CN
 E12 1 SIMVASTATIN CARBOXYLIC ACID AMMONIUM SALT/CN

=> s e3

L4 1 SIMVASTATIN/CN

=> d

L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN

RN 79902-63-9 REGISTRY

ED Entered STN: 16 Nov 1984

CN Butanoic acid, 2,2-dimethyl-, (1S,3R,7S,8S,8aR)-1,2,3,7,8,8a-hexahydro-3,7-dimethyl-8-[2-[(2R,4R)-tetrahydro-4-hydroxy-6-oxo-2H-pyran-2-yl]ethyl]-1-naphthalenyl ester (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Butanoic acid, 2,2-dimethyl-, 1,2,3,7,8,8a-hexahydro-3,7-dimethyl-8-[2-(tetrahydro-4-hydroxy-6-oxo-2H-pyran-2-yl)ethyl]-1-naphthalenyl ester, [1S-[1 α ,3 α ,7 β ,8 β (2S*,4S*),8a β]]-

OTHER NAMES:

CN (+)-Simvastatin
 CN Cholestat
 CN Denan
 CN Eucor
 CN Kolestevan
 CN L 644128-000U
 CN Lipex
 CN Lipinorm
 CN Liponorm
 CN Lipovas
 CN Lodaless
 CN MK 733
 CN Modutrol
 CN Nor-Vastina
 CN Rechol
 CN Simcor
 CN Simovil
 CN **Simvastatin**
 CN Simvastatin lactone
 CN Simvotin
 CN Sinvacor
 CN Sinvascor
 CN Sivastin
 CN Statin
 CN Synvinolin
 CN Valemia
 CN Velostatin
 CN Zocor
 CN Zocord

FS STEREOSEARCH

DR 98609-43-9, 118607-03-7

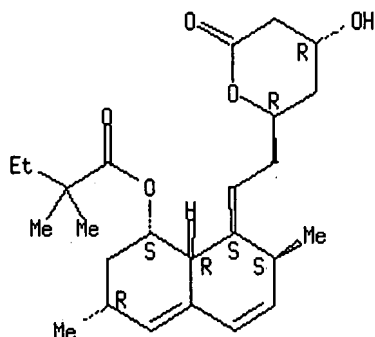
MF C25 H38 O5

CI COM

LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DRUGU, EMBASE, HSDB*, IFICDB, IFIUDB, IMSCOSEARCH, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH, IPA, MEDLINE, MRCK*, NAPRALERT, PATDPASPC, PHAR, PROMT, PROUSDDR, PS, RTECS*, SCISEARCH, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL

(*File contains numerically searchable property data)
Other Sources: WHO

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3685 REFERENCES IN FILE CA (1907 TO DATE)
84 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
3746 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> e fluvastatin/cn

E1	1	FLUVALINATE-TOLFENPYRAD MIXT./CN
E2	1	FLUVAROL/CN
E3	1	--> FLUVASTATIN/CN
E4	1	FLUVASTATIN HEMICALCIUM/CN
E5	1	FLUVASTATIN SODIUM/CN
E6	1	FLUVASTATIN SODIUM MONOHYDRATE/CN
E7	1	FLUVEAN/CN
E8	1	FLUVERMAL/CN
E9	1	FLUVERSIN/CN
E10	1	FLUVET/CN
E11	1	FLUVIBACTIN/CN
E12	1	FLUVIBACTINE/CN

=> s e3

L5 1 FLUVASTATIN/CN

=> d

L5 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN

RN 93957-54-1 REGISTRY

ED Entered STN: 30 Dec 1984

CN 6-Heptenoic acid, 7-[3-(4-fluorophenyl)-1-(1-methylethyl)-1H-indol-2-yl]-
3,5-dihydroxy-, (3R,5S,6E)-rel- (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 6-Heptenoic acid, 7-[3-(4-fluorophenyl)-1-(1-methylethyl)-1H-indol-2-yl]-
3,5-dihydroxy-, [R*,S*-(E)]-(±)-

OTHER NAMES:

CN 6-Heptenoic acid, 7-[3-(4-fluorophenyl)-1-(1-methylethyl)-1H-indol-2-yl]-
3,5-dihydroxy-, [R*,S*-(E)]-

CN **Fluvastatin**

CN Leschol

FS STEREOSEARCH

DR 885653-90-7

MF C24 H26 F N O4

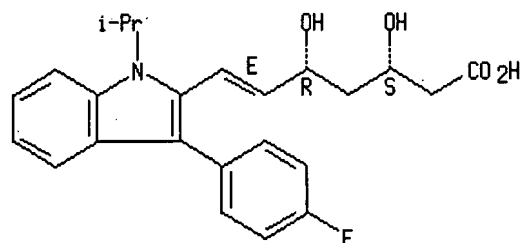
CI COM

LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO,
CA, CAPLUS, CBNB, CHEMCATS, CIN, CSCHM, DDFU, DRUGU, EMBASE, IFICDB,
IFIUDB, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH, IPA, MEDLINE, MRCK*,
PATDPASPC, PROMT, PROUSDDR, PS, RTECS*, SCISEARCH, SYNTHLINE, TOXCENTER,
USAN, USPAT2, USPATFULL

(*File contains numerically searchable property data)

Other Sources: WHO

Relative stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1669 REFERENCES IN FILE CA (1907 TO DATE)
39 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1691 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> e pravastatin/cn

E1	1	PRUYNANASIDE A/CN
E2	1	PRV1 PROTEIN (HUMAN CLONE DNA59847 GENE UNQ595)/CN
E3	0	--> PRVASTATIN/CN
E4	1	PRX 00023/CN
E5	1	PRX 07034/CN
E6	1	PRX 1000/CN
E7	1	PRX 1004/CN
E8	1	PRX 1005/CN
E9	1	PRX 1195/CN
E10	1	PRX 19/CN
E11	1	PRX 301/CN
E12	1	PRX 304/CN

=> e pravastatin/cn

E1	1	PRAVASIN/CN
E2	1	PRAVASINE/CN
E3	1	--> PRAVASTATIN/CN
E4	1	PRAVASTATIN ACID/CN
E5	1	PRAVASTATIN AMMONIUM SALT/CN
E6	1	PRAVASTATIN DIBENZYLAMINE SALT/CN
E7	1	PRAVASTATIN DICYCLOHEXYLAMINE SALT/CN
E8	1	PRAVASTATIN DIOCTYLAMINE SALT/CN
E9	1	PRAVASTATIN DIOL LACTONE/CN
E10	1	PRAVASTATIN HEMICALCIUM/CN
E11	1	PRAVASTATIN LACTONE/CN
E12	1	PRAVASTATIN LITHIUM SALT/CN

=> s e3

L6 1 PRAVASTATIN/CN

=> d

L6 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN

RN 81093-37-0 REGISTRY

ED Entered STN: 16 Nov 1984

CN 1-Naphthaleneheptanoic acid, 1,2,6,7,8,8a-hexahydro- β , δ ,6-trihydroxy-2-methyl-8-[(2S)-2-methyl-1-oxobutoxy]-, (β R, δ R,1S,2S,6S,8S,8aR)- (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1-Naphthaleneheptanoic acid, 1,2,6,7,8,8a-hexahydro- β , δ ,6-trihydroxy-2-methyl-8-(2-methyl-1-oxobutoxy)-, [1S-[1 α (β S*, δ S*),2 α ,6 α ,8 β (R*),8a α]]-

OTHER NAMES:

CN 3 β -Hydroxycompactin

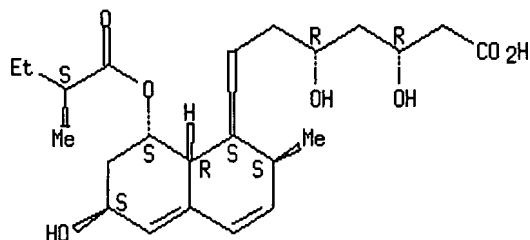
CN Eptastatin

CN Mevalothin

CN Pravastatin

CN Pravastatin acid
 FS STEREOSEARCH
 DR 103382-89-4, 87068-19-7
 MF C23 H36 O7
 CI COM
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS, CA, CAPLUS, CASREACT, CBNB, CHEMCATS, CIN, CSChem, DDFU, DRUGU, EMBASE, IFICDB, IFIUDB, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH, IPA, MEDLINE, NAPRALERT, PHAR, PROMT, PROUSDDR, PS, RTECS*, SCISEARCH, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: WHO

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2663 REFERENCES IN FILE CA (1907 TO DATE)
 56 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 2680 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> e rosuvastatin/cn

E1	1	ROSUPOL U/CN
E2	1	ROSUTONAIN 108DK/CN
E3	1	--> ROSUVASTATIN/CN
E4	1	ROSUVASTATIN CALCIUM/CN
E5	1	ROSUVASTATIN CALCIUM SALT/CN
E6	1	ROSUVASTATIN CYCLOHEXYLAMMONIUM SALT/CN
E7	1	ROSUVASTATIN DICYCLOHEXYLAMMONIUM SALT/CN
E8	1	ROSUVASTATIN DIISOPROPYLAMMONIUM SALT/CN
E9	1	ROSUVASTATIN HEMICALCIUM/CN
E10	1	ROSUVASTATIN ISOPROPYLAMMONIUM SALT/CN
E11	1	ROSUVASTATIN MAGNESIUM/CN
E12	1	ROSUVASTATIN METHYL ESTER/CN

=> s e3

L7 1 ROSUVASTATIN/CN

=> d

L7 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN

RN 287714-41-4 REGISTRY

ED Entered STN: 29 Aug 2000

CN 6-Heptenoic acid, 7-[4-(4-fluorophenyl)-6-(1-methylethyl)-2-methyl(methylsulfonyl)amino]-5-pyrimidinyl]-3,5-dihydroxy-, (3R,5S,6E)-
 (CA INDEX NAME)

OTHER NAMES:

CN Rosuvastatin

CN ZD 4522

FS STEREOSEARCH

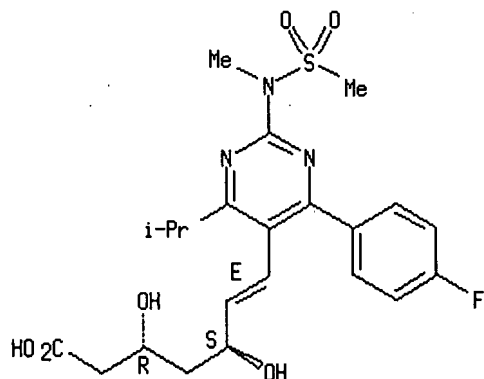
MF C22 H28 F N3 O6 S

CI COM

SR CA

LC STN Files: BIOSIS, CA, CAPLUS, CASREACT, CHEMCATS, HSDB*, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH, MEDLINE, MRCK*, PROUSDDR, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL
 (*File contains numerically searchable property data)

Absolute stereochemistry. Rotation (+).
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

683 REFERENCES IN FILE CA (1907 TO DATE)
18 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
688 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> e nk 104/cn

E1	1	NK 102/CN
E2	1	NK 103/CN
E3	4 -->	NK 104/CN
E4	1	NK 104 (ACID)/CN
E5	1	NK 104 (DYE)/CN
E6	1	NK 104 (LACTONE)/CN
E7	1	NK 1045/CN
E8	1	NK 1046/CN
E9	2	NK 105/CN
E10	1	NK 1050/CN
E11	1	NK 1055/CN
E12	1	NK 1056/CN

=> s e3

L8 4 "NK 104"/CN

=> e agrinine/cn

E1	1	AGRIN PRECURSOR (HUMAN)/CN
E2	1	AGRINIERITE/CN
E3	0 -->	AGRININE/CN
E4	1	AGRIOIL/CN
E5	1	AGRION/CN
E6	1	AGRION (PESTICIDE)/CN
E7	1	AGRION A 600/CN
E8	1	AGRION C 100/CN
E9	1	AGRIPAT/CN
E10	1	AGRIPHAGE/CN
E11	1	AGRIPLAST/CN
E12	1	AGRIPLEX FE/CN

=> e arginine/cn

E1	1	ARGININANILIDE, N.ALPHA.,N.OMEGA.,N.OMEGA.-TRIS(PHENYLCARBAM OYL)-, L-/CN
E2	1	ARGININANILIDE, N2-BENZOYL-/CN
E3	2 -->	ARGININE/CN
E4	1	ARGININE .BETA.-NAPHTHYLAMIDE/CN
E5	1	ARGININE 2,2,2-TRICHLOROETHYL ESTER/CN
E6	1	ARGININE 2,3-AMINOMUTASE/CN
E7	1	ARGININE 2,3-AMINOMUTASE (STREPTOMYCES GRISEOCHROMOGENES GEN E BLSG)/CN
E8	1	ARGININE 2-MONOOXYGENASE/CN


```

E9          1      ARGININE 3RD TRANSPORT SYSTEM PERIPLASMIC BINDING PROTEIN (E
              SCHERICHIA COLI O157:H7 STRAIN EDL933 GENE ARTI)/CN
E10         1      ARGININE 3RD TRANSPORT SYSTEM PERIPLASMIC BINDING PROTEIN (E
              SCHERICHIA COLI O157:H7 STRAIN EDL933 GENE ARTJ)/CN
E11         1      ARGININE 3RD TRANSPORT SYSTEM PERIPLASMIC BINDING PROTEIN (E
              SCHERICHIA COLI STRAIN O157:H7 GENE ECS0943)/CN
E12         1      ARGININE 3RD TRANSPORT SYSTEM PERIPLASMIC BINDING PROTEIN (E
              SCHERICHIA COLI STRAIN O157:H7 GENE ECS0946)/CN

```

=> s e3

L9 2 ARGININE/CN

=> file medline

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

56.55

56.76

FILE 'MEDLINE' ENTERED AT 18:50:19 ON 10 JUN 2007

FILE LAST UPDATED: 9 Jun 2007 (20070609/UP). FILE COVERS 1950 TO DATE.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d his

(FILE 'HOME' ENTERED AT 18:46:43 ON 10 JUN 2007)

FILE 'REGISTRY' ENTERED AT 18:47:02 ON 10 JUN 2007

```

L1          1 S E3
              E ATORVASTATIN/CN
L2          1 S E3
              E CERIVASTATIN/CN
L3          1 S E3
              E LOVASTATIN/CN
L4          1 S E3
              E SIMVASTATIN/CN
L5          1 S E3
              E FLUVASTATIN/CN
L6          1 S E3
              E PRVASTATIN/CN
              E PRAVASTATIN/CN
L7          1 S E3
              E ROSUVASTATIN/CN
L8          1 S E3
              E NK 104/CN
L9          4 S E3
              E AGRININE/CN
              E ARGININE/CN
L9          2 S E3

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FILE 'MEDLINE' ENTERED AT 18:50:19 ON 10 JUN 2007

=> s l1 or l2 or l3 or l4 or l5 or l6 or l7 or l8

```

              7 L1
              1 L2
              3457 L3
              3128 L4
              816 L5
              2210 L6
              346 L7
              127 L8
L10         8038 L1 OR L2 OR L3 OR L4 OR L5 OR L6 OR L7 OR L8

```

=> s (bone growth or osteop?)

```

              492292 BONE
              896222 GROWTH
              3269 BONE GROWTH
                  (BONE (W) GROWTH)
              61006 OSTEOP?
L11         63898 (BONE GROWTH OR OSTEOP?)

```

=> s l9

L12 29782 L9

=> s arginine

L13 77022 ARGININE

=> s l10 and l11

L14 66 L10 AND L11

=> s l11 and l14

L15 66 L11 AND L14

=> s l14 and l15

L16 66 L14 AND L15

=> d 1-66

L16 ANSWER 1 OF 66 MEDLINE on STN

Full Text

AN 2007092941 MEDLINE

DN PubMed ID: 17179158

TI Statin-induced Ras activation integrates the phosphatidylinositol 3-kinase signal to Akt and MAPK for bone morphogenetic protein-2 expression in osteoblast differentiation.

AU Ghosh-Choudhury Nandini; Mandal Chandi Charan; Choudhury Goutam Ghosh

CS Department of Pathology, The University of Texas Health Science Center at San Antonio, TX 78229, USA.. choudhury@uthscsa.edu

NC R01 AR52425 (NIAMS)

SO The Journal of biological chemistry, (2007 Feb 16) Vol. 282, No. 7, pp. 4983-93. Electronic Publication: 2006-12-19.

Journal code: 2985121R. ISSN: 0021-9258.

CY United States

DT Journal; Article; (JOURNAL ARTICLE)

(RESEARCH SUPPORT, N.I.H., EXTRAMURAL)

(RESEARCH SUPPORT, NON-U.S. GOV'T)

(RESEARCH SUPPORT, U.S. GOV'T, NON-P.H.S.)

LA English

FS Priority Journals

EM 200703

ED Entered STN: 13 Feb 2007

Last Updated on STN: 27 Mar 2007

Entered Medline: 26 Mar 2007

L16 ANSWER 2 OF 66 MEDLINE on STN

Full Text

AN 2006704725 MEDLINE

DN PubMed ID: 17142950

TI Simvastatin did not prevent nor restore ovariectomy-induced bone loss in adult rats.

AU Yao W; Farmer R; Cooper R; Chmielewski P A; Tian X Y; Setterberg R B; Jee W S S; Lundy M W

CS Radiobiology Division, University of Utah, Salt Lake City, UT 84108-1218, USA.

SO Journal of musculoskeletal & neuronal interactions, (2006 Jul-Sep) Vol. 6, No. 3, pp. 277-83.

Journal code: 101084496. ISSN: 1108-7161.

CY Greece

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 200701

ED Entered STN: 5 Dec 2006

Last Updated on STN: 18 Jan 2007

Entered Medline: 17 Jan 2007

L16 ANSWER 3 OF 66 MEDLINE on STN

Full Text

AN 2006695220 MEDLINE

DN PubMed ID: 17132207

TI Distribution of lovastatin to bone and its effect on bone turnover in rats.

AU Jadhav Satyawar B; Narayana Murthy P S; Singh M M; Jain G K

CS Division of Pharmacokinetics & Metabolism, Central Drug Research

Institute, Lucknow, India.
 SO The Journal of pharmacy and pharmacology, (2006 Nov) Vol. 58, No. 11, pp. 1451-8.
 Journal code: 0376363. ISSN: 0022-3573.
 CY England: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 (RESEARCH SUPPORT, NON-U.S. GOV'T)
 LA English
 FS Priority Journals
 EM 200705
 ED Entered STN: 30 Nov 2006
 Last Updated on STN: 17 May 2007
 Entered Medline: 16 May 2007

L16 ANSWER 4 OF 66 MEDLINE on STN

Full Text

AN 2006483014 MEDLINE
 DN PubMed ID: 16909050
 TI Statins, fracture risk, and bone remodeling: What is true?.
 AU Rizzo Manfredi; Rini Giovam Battista
 CS Department of Clinical Medicine and Emerging Diseases, University of Palermo, Palermo, Italy.. mrizzo@unipa.it
 SO The American journal of the medical sciences, (2006 Aug) Vol. 332, No. 2, pp. 55-60. Ref: 71
 Journal code: 0370506. ISSN: 0002-9629.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 General Review; (REVIEW)
 LA English
 FS Abridged Index Medicus Journals; Priority Journals
 EM 200610
 ED Entered STN: 17 Aug 2006
 Last Updated on STN: 13 Oct 2006
 Entered Medline: 12 Oct 2006

L16 ANSWER 5 OF 66 MEDLINE on STN

Full Text

AN 2006447922 MEDLINE
 DN PubMed ID: 16825044
 TI The use of simvastatin in rabbit posterolateral lumbar intertransverse process spine fusion.
 AU Yee Albert Juang Ming; Bae Hyun W; Friess Darin; Roth Sandie M; Whyne Cari; Robbin Mark; Johnstone Brian; Yoo Jung U
 CS Spine Institute, University Hospitals of Cleveland and Department of Orthopaedic Surgery, Case Western Reserve University, 11100 Euclid Avenue, Cleveland, OH 44106, USA.. Albert.Yee@sw.ca
 SO The spine journal : official journal of the North American Spine Society, (2006 Jul-Aug) Vol. 6, No. 4, pp. 391-6.
 Journal code: 101130732. ISSN: 1529-9430.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200611
 ED Entered STN: 29 Jul 2006
 Last Updated on STN: 15 Nov 2006
 Entered Medline: 14 Nov 2006

L16 ANSWER 6 OF 66 MEDLINE on STN

Full Text

AN 2006422997 MEDLINE
 DN PubMed ID: 16845222
 TI Influence of fluvastatin on bone formation induced by demineralized bone matrix in mice.
 AU Galus Ryszard; Wlodarski Pawel; Wlodarski Krzysztof
 CS Chair and Department of Histology and Embryology, Center for Biostructure Research, Medical University in Warsaw, Chalubinskiego 5, PL 02-004 Warsaw, Poland.
 SO Pharmacological reports : PR, (2006 May-Jun) Vol. 58, No. 3, pp. 443-7.
 Journal code: 101234999. ISSN: 1734-1140.
 CY Poland
 DT Journal; Article; (JOURNAL ARTICLE)

(RESEARCH SUPPORT, NON-U.S. GOV'T)
LA English
FS Priority Journals
EM 200612
ED Entered STN: 18 Jul 2006
Last Updated on STN: 29 Dec 2006
Entered Medline: 28 Dec 2006

L16 ANSWER 7 OF 66 MEDLINE on STN

Full Text

AN 2006398187 MEDLINE
DN PubMed ID: 16817619
TI Comparison between mevinolin and PTH action on MG63 osteoblast-like cells.
AU Belcher Joyce; Benghuzzi Ham; Franklin Laura; Cameron Joseph; Tucci Michelle
CS Jackson State University, Jackson, MS 39216, USA.
NC R25 GM067592-02 (NIGMS)
SO Biomedical sciences instrumentation, (2006) Vol. 42, pp. 267-72.
Journal code: 0140524. ISSN: 0067-8856.
CY United States
DT (COMPARATIVE STUDY)
Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, N.I.H.; EXTRAMURAL)
LA English
FS Priority Journals
EM 200607
ED Entered STN: 5 Jul 2006
Last Updated on STN: 28 Jul 2006
Entered Medline: 27 Jul 2006

L16 ANSWER 8 OF 66 MEDLINE on STN

Full Text

AN 2006398165 MEDLINE
DN PubMed ID: 16817597
TI Effects of sustained release of statin by means of tricalcium phosphate lysine delivery system in defect and segmental femoral injuries on certain biochemical markers in vivo.
AU Adah Felix; Benghuzzi Hamed; Tucci Michelle; Russell George; England Barry
CS University of Mississippi Medical Center, Jackson, MS, USA.
SO Biomedical sciences instrumentation, (2006) Vol. 42, pp. 126-35.
Journal code: 0140524. ISSN: 0067-8856.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200607
ED Entered STN: 5 Jul 2006
Last Updated on STN: 28 Jul 2006
Entered Medline: 27 Jul 2006

L16 ANSWER 9 OF 66 MEDLINE on STN

Full Text

AN 2006374006 MEDLINE
DN PubMed ID: 16789495
TI [Prevention and treatment of osteoporosis].
Zapobieganie i leczenie osteoporozy.
AU Galus Krzysztof
CS Zaklad Geriatrii Klinicznej AM w Warszawie.. kgalus@amwaw.edu.pl
SO Polskie archiwum medycyny wewn trznej, (2005 Dec) Vol. 114, No. 6, pp. 1236-43. Ref: 50
Journal code: 0401225. ISSN: 0032-3772.
CY Poland
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
LA Polish
FS Priority Journals
EM 200609
ED Entered STN: 23 Jun 2006
Last Updated on STN: 13 Sep 2006
Entered Medline: 12 Sep 2006

L16 ANSWER 10 OF 66 MEDLINE on STN

Full Text

AN 2006038305 MEDLINE
DN PubMed ID: 16425974
TI Comparison of the effects of D-003, a mixture of high-molecular-weight aliphatic acids from sugarcane wax, and pravastatin on bones and osteoclast apoptosis of ovariectomized rats.
AU Mendoza S; Noa M; Mas R; Mendoza N
CS Center for Natural Products, National Center for Scientific Research, Havana City, Cuba.. clinica@enet.cu
SO Drugs under experimental and clinical research, (2005) Vol. 31, No. 5-6, pp. 181-91.
Journal code: 7802135. ISSN: 0378-6501.
CY Switzerland
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200603
ED Entered STN: 24 Jan 2006
Last Updated on STN: 28 Mar 2006
Entered Medline: 27 Mar 2006

L16 ANSWER 11 OF 66 MEDLINE on STN

Full Text

AN 2006018591 MEDLINE
DN PubMed ID: 16397916
TI Effects of garlic oil on postmenopausal **osteoporosis** using ovariectomized rats: comparison with the effects of lovastatin and 17beta-estradiol.
AU Mukherjee M; Das A S; Das D; Mukherjee S; Mitra S; Mitra C
CS Department of Physiology, Presidency College, Kolkata-700073, India.
SO Phytotherapy research : PTR, (2006 Jan) Vol. 20, No. 1, pp. 21-7.
Journal code: 8904486. ISSN: 0951-418X.
CY England: United Kingdom
DT (COMPARATIVE STUDY)
Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
LA English
FS Priority Journals
EM 200609
ED Entered STN: 12 Jan 2006
Last Updated on STN: 21 Sep 2006
Entered Medline: 20 Sep 2006

L16 ANSWER 12 OF 66 MEDLINE on STN

Full Text

AN 2006008613 MEDLINE
DN PubMed ID: 16393459
TI Statins and **osteoporosis**: new role for old drugs.
AU Jadhav Satyawan B; Jain Girish Kumar
CS Pharmacokinetics and Metabolism Division, Central Drug Research Institute, P.O. Box 173, Chattar Manzil Palace, Mahatma Gandhi Marg, Lucknow-226 001, India.
SO The Journal of pharmacy and pharmacology, (2006 Jan) Vol. 58, No. 1, pp. 3-18. Ref: 137
Journal code: 0376363. ISSN: 0022-3573.
CY England: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
LA English
FS Priority Journals
EM 200603
ED Entered STN: 6 Jan 2006
Last Updated on STN: 3 Mar 2006
Entered Medline: 2 Mar 2006

L16 ANSWER 13 OF 66 MEDLINE on STN

Full Text

AN 2005690880 MEDLINE
DN PubMed ID: 16274305
TI Local simvastatin effects on mandibular **bone growth** and inflammation.
AU Stein David; Lee Yeonju; Schmid Marian J; Killpack Byron; Genrich Mikala A; Narayana Nagamani; Marx David B; Cullen Diane M; Reinhardt Richard A

CS Department of Surgical Specialties, College of Dentistry, University of
Nebraska Medical Center, Lincoln, NE 68583-0740, USA.

NC DE15096 (NIDCR)
R15 DE015096-01A1 (NIDCR)

SO Journal of periodontology, (2005 Nov) Vol. 76, No. 11, pp. 1861-70.
Journal code: 8000345. ISSN: 0022-3492.

CY United States

DT (COMPARATIVE STUDY)
Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, N.I.H., EXTRAMURAL)
(RESEARCH SUPPORT, NON-U.S. GOV'T)

LA English

FS Dental Journals; Priority Journals

EM 200602

ED Entered STN: 29 Dec 2005
Last Updated on STN: 8 Feb 2006
Entered Medline: 7 Feb 2006

L16 ANSWER 14 OF 66 MEDLINE on STN
Full Text

AN 2005644204 MEDLINE

DN PubMed ID: 15742122

TI Effects of simvastatin on bone mineral density and remodeling parameters
in postmenopausal **osteopenic** subjects: 1-year follow-up study.

AU Tikiz Canan; Tikiz Hakan; Taneli Fatma; Gumuser Gul; Tuzun Cigdem

CS Department of Physical Medicine and Rehabilitation, Faculty of Medicine,
University of Celal Bayar, Manisa, Turkey.. canan.tikiz@bayer.edu.tr

SO Clinical rheumatology, (2005 Sep) Vol. 24, No. 5, pp. 447-52. Electronic
Publication: 2005-03-02.
Journal code: 8211469. ISSN: 0770-3198.

CY Belgium

DT (CLINICAL TRIAL)
Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 200602

ED Entered STN: 6 Dec 2005
Last Updated on STN: 17 Feb 2006
Entered Medline: 16 Feb 2006

L16 ANSWER 15 OF 66 MEDLINE on STN
Full Text

AN 2005598805 MEDLINE

DN PubMed ID: 16278780

TI Statins modulate the levels of **osteoprotegerin**/receptor activator of
NFkappaB ligand mRNA in mouse bone-cell cultures.

AU Kaji H; Kanatani M; Sugimoto T; Chihara K

CS Division of Endocrinology/Metabolism, Neurology and Hematology/Oncology,
Department of Clinical Molecular Medicine, Kobe University Graduate School
of Medicine, Kobe 650-0017, Japan.. hiroshik@med.kobe-u.ac.jp

SO Hormone and metabolic research. Hormon- und Stoffwechselforschung.
Hormones et metabolisme, (2005 Oct) Vol. 37, No. 10, pp. 589-92.
Journal code: 0177722. ISSN: 0018-5043.

CY Germany: Germany, Federal Republic of

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 200601

ED Entered STN: 10 Nov 2005
Last Updated on STN: 14 Jan 2006
Entered Medline: 13 Jan 2006

L16 ANSWER 16 OF 66 MEDLINE on STN
Full Text

AN 2005326365 MEDLINE

DN PubMed ID: 15974856

TI Simvastatin promotes cell metabolism, proliferation, and osteoblastic
differentiation in human periodontal ligament cells.

AU Yazawa Hiroshi; Zimmermann Bernd; Asami Yoshiko; Bernimoulin Jean-Pierre

CS Department of Periodontology, Faculty of Dentistry, Campus Virchow
Klinikum, Charite, University Medical School, Berlin, Germany..
yazawa.peri@tmd.ac.jp

SO Journal of periodontology, (2005 Feb) Vol. 76, No. 2, pp. 295-302.
 Journal code: 8000345. ISSN: 0022-3492.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 (RESEARCH SUPPORT, NON-U.S. GOV'T)
 LA English
 FS Dental Journals; Priority Journals
 EM 200507
 ED Entered STN: 25 Jun 2005
 Last Updated on STN: 13 Jul 2005
 Entered Medline: 12 Jul 2005

L16 ANSWER 17 OF 66 MEDLINE on STN
Full Text
 AN 2005317368 MEDLINE
 DN PubMed ID: 15940041
 TI Combined effects of losartan and pravastatin on interstitial inflammation
 and fibrosis in chronic cyclosporine-induced nephropathy.
 AU Li Can; Sun Bo Kyung; Lim Sun Woo; Song Joon Chang; Kang Shin-Wook; Kim Yu
 Seun; Kang Duk Hee; Cha Jung Ho; Kim Jin; Yang Chul Woo
 CS Department of Internal Medicine, KangNam St. Mary's Hospital, The Catholic
 University of Korea, Seoul 137-040, Korea.
 SO Transplantation, (2005 Jun 15) Vol. 79, No. 11, pp. 1522-9.
 Journal code: 0132144. ISSN: 0041-1337.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 (RESEARCH SUPPORT, NON-U.S. GOV'T)
 LA English
 FS Priority Journals
 EM 200507
 ED Entered STN: 22 Jun 2005
 Last Updated on STN: 29 Jul 2005
 Entered Medline: 28 Jul 2005

L16 ANSWER 18 OF 66 MEDLINE on STN
Full Text
 AN 2005302726 MEDLINE
 DN PubMed ID: 15869791
 TI Promotion of bone formation by simvastatin in polyethylene
 particle-induced osteolysis.
 AU von Knoch Fabian; Wedemeyer Christian; Heckeleei Anja; Saxler Guido; Hilken
 Gero; Brankamp Jochen; Sterner Thomas; Landgraeber Stefan; Henschke Frank;
 Loer Franz; von Knoch Marius
 CS Department of Orthopaedic Surgery, Kantonsspital Chur, Loestrassse 170,
 7000 Chur, Switzerland.. fabianvonknoch@yahoo.com
 SO Biomaterials, (2005 Oct) Vol. 26, No. 29, pp. 5783-9.
 Journal code: 8100316. ISSN: 0142-9612.
 CY England: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 (RESEARCH SUPPORT, NON-U.S. GOV'T)
 LA English
 FS Priority Journals
 EM 200509
 ED Entered STN: 14 Jun 2005
 Last Updated on STN: 17 Sep 2005
 Entered Medline: 16 Sep 2005

L16 ANSWER 19 OF 66 MEDLINE on STN
Full Text
 AN 2005152298 MEDLINE
 DN PubMed ID: 15785436
 TI Statins and osteoporosis: myth or reality?
 AU Rizzo M; Di Fede G; Mansueto P; Castello F; Carmina E; Rini G B
 CS Department of Clinical Medicine and Emerging Diseases, University of
 Palermo, Palermo, Italy.
 SO Minerva medica, (2004 Dec) Vol. 95, No. 6, pp. 521-7. Ref: 63
 Journal code: 0400732. ISSN: 0026-4806.
 CY Italy
 DT Journal; Article; (JOURNAL ARTICLE)
 General Review; (REVIEW)
 LA English
 FS Priority Journals

EM 200505
ED Entered STN: 24 Mar 2005
Last Updated on STN: 20 May 2005
Entered Medline: 19 May 2005

L16 ANSWER 20 OF 66 MEDLINE on STN

Full Text

AN 2005136323 MEDLINE
DN PubMed ID: 15767237
TI Statins and **osteoporosis**: a clinical review.
AU Gonyeau Michael J
CS Department of Pharmacy Practice, School of Pharmacy, Northeastern University, Boston, Massachusetts 02115, USA.. m.gonyeau@neu.edu
SO Pharmacotherapy, (2005 Feb) Vol. 25, No. 2, pp. 228-43. Ref: 66
Journal code: 8111305. ISSN: 0277-0008.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
LA English
FS Priority Journals
EM 200505
ED Entered STN: 16 Mar 2005
Last Updated on STN: 18 May 2005
Entered Medline: 17 May 2005

L16 ANSWER 21 OF 66 MEDLINE on STN

Full Text

AN 2005099798 MEDLINE
DN PubMed ID: 15730048
TI No effect of fluvastatin on the bone mineral density of children with minimal change glomerulonephritis and some focal mesangial cell proliferation, other than an ameliorating effect on their proteinuria.
AU Kano K; Nishikura K; Yamada Y; Arisaka O
CS Department of Pediatrics, Dokkyo University School of Medicine, Tochigi, Japan.. k-kano@dokkyomed.ac.jp
SO Clinical nephrology, (2005 Feb) Vol. 63, No. 2, pp. 74-9.
Journal code: 0364441. ISSN: 0301-0430.
CY Germany: Germany, Federal Republic of
DT (CLINICAL TRIAL)
Journal; Article; (JOURNAL ARTICLE)
(RANDOMIZED CONTROLLED TRIAL)
LA English
FS Priority Journals
EM 200505
ED Entered STN: 1 Mar 2005
Last Updated on STN: 25 May 2005
Entered Medline: 24 May 2005

L16 ANSWER 22 OF 66 MEDLINE on STN

Full Text

AN 2005054496 MEDLINE
DN PubMed ID: 15682577
TI A new approach to the treatment of **osteoporosis**.
AU Erdemli Bulent; Serin-Kilicoglu Sibel; Erdemli Esra
CS Department of Orthopedics, Ankara University, Faculty of Medicine, Ankara, Turkey.
SO Orthopedics, (2005 Jan) Vol. 28, No. 1, pp. 59-62.
Journal code: 7806107. ISSN: 0147-7447.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200504
ED Entered STN: 2 Feb 2005
Last Updated on STN: 12 Apr 2005
Entered Medline: 11 Apr 2005

L16 ANSWER 23 OF 66 MEDLINE on STN

Full Text

AN 2004611069 MEDLINE
DN PubMed ID: 15584561
TI Statins: much more than just a lipid-lowering therapy.

AU Raja Shahzad G; Dreyfus Gilles D
 CS Alder Hey Hospital, Liverpool and Harefield Hospital, Middlesex, United Kingdom.. drrajashahzad@hotmail.com
 SO Indian heart journal, (2004 May-Jun) Vol. 56, No. 3, pp. 204-9. Ref: 40
 Journal code: 0374675. ISSN: 0019-4832.
 CY India
 DT Journal; Article; (JOURNAL ARTICLE)
 General Review; (REVIEW)
 LA English
 FS Priority Journals
 EM 200502
 ED Entered STN: 9 Dec 2004
 Last Updated on STN: 11 Feb 2005
 Entered Medline: 10 Feb 2005

L16 ANSWER 24 OF 66 MEDLINE on STN

Full Text

AN 2004321164 MEDLINE
 DN PubMed ID: 15222226
 TI Application of solubilizing properties of the products of oxyethylenated fatty alcohols of the Brij type in relation to simvastatin.
 AU Ginter Pawel Marek; Zgoda Marian Mikolaj
 CS Institute Technology and Chemistry Pharmaceutical, Department of Dispensing Pharmacy, Medical University of Lodz.
 SO Polimery w medycynie, (2004) Vol. 34, No. 1, pp. 39-48.
 Journal code: 7509477. ISSN: 0370-0747.
 CY Poland
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English; Polish
 FS Priority Journals
 EM 200407
 ED Entered STN: 30 Jun 2004
 Last Updated on STN: 21 Jul 2004
 Entered Medline: 20 Jul 2004

L16 ANSWER 25 OF 66 MEDLINE on STN

Full Text

AN 2004319082 MEDLINE
 DN PubMed ID: 15221496
 TI The effect of simvastatin on serum cytokine levels and bone metabolism in postmenopausal subjects: negative correlation between TNF-alpha and anabolic bone parameters.
 AU Tikiz Canan; Unlu Zeliha; Tikiz Hakan; Ay Kamuran; Angin Aclan; Onur Ece; Var Ahmet; Tuzun Cigdem
 CS Department of Physical Medicine and Rehabilitation, University of Celal Bayar, Manisa, Turkey.. canan.tikiz@bayar.edu.tr
 SO Journal of bone and mineral metabolism, (2004) Vol. 22, No. 4, pp. 365-71.
 Journal code: 9436705. ISSN: 0914-8779.
 CY Japan
 DT (CLINICAL TRIAL)
 Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200409
 ED Entered STN: 29 Jun 2004
 Last Updated on STN: 16 Sep 2004
 Entered Medline: 15 Sep 2004

L16 ANSWER 26 OF 66 MEDLINE on STN

Full Text

AN 2004265502 MEDLINE
 DN PubMed ID: 15164322
 TI Simvastatin increases bone mineral density in hypercholesterolemic postmenopausal women.
 AU Lupattelli Graziana; Scarponi Anna Maria; Vaudo Gaetano; Siepi Donatella; Roscini Anna Rita; Gemelli Fabio; Pirro Matteo; Latini Roberto A; Sinzinger Helmut; Marchesi Simona; Mannarino Elmo
 CS Internal Medicine, Angiology and Atherosclerosis, Department of Clinical and Experimental Medicine, University of, Perugia, Italy.
 SO Metabolism: clinical and experimental, (2004 Jun) Vol. 53, No. 6, pp. 744-8.
 Journal code: 0375267. ISSN: 0026-0495.

CY United States
DT (CLINICAL TRIAL)
(CONTROLLED CLINICAL TRIAL)
Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200407
ED Entered STN: 28 May 2004
Last Updated on STN: 28 Jul 2004
Entered Medline: 27 Jul 2004

L16 ANSWER 27 OF 66 MEDLINE on STN

Full Text

AN 2004174844 MEDLINE
DN PubMed ID: 15068496
TI Effects of simvastatin on bone turnover and BMD: a 1-year randomized controlled trial in postmenopausal **osteopenic** women.
AU Rejnmark Lars; Buus Niels Henrik; Vestergaard Peter; Heickendorff Lene; Andreasen Frederik; Larsen Mogens Lytken; Mosekilde Leif
CS Department of Endocrinology and Metabolism C, Aarhus Amtssygehus, Aarhus University Hospital, Aarhus, Denmark.. rejnmark@post6.tele.dk
SO Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research, (2004 May) Vol. 19, No. 5, pp. 737-44. Electronic Publication: 2004-02-16.
Journal code: 8610640. ISSN: 0884-0431.
CY United States
DT (CLINICAL TRIAL)
Journal; Article; (JOURNAL ARTICLE)
(RANDOMIZED CONTROLLED TRIAL)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
LA English
FS Priority Journals
EM 200408
ED Entered STN: 8 Apr 2004
Last Updated on STN: 4 Aug 2004
Entered Medline: 3 Aug 2004

L16 ANSWER 28 OF 66 MEDLINE on STN

Full Text

AN 2004065055 MEDLINE
DN PubMed ID: 14670931
TI High glucose-induced upregulation of **osteopontin** is mediated via Rho/Rho kinase pathway in cultured rat aortic smooth muscle cells.
AU Kawamura Harukiyo; Yokote Koutaro; Asaumi Sunao; Kobayashi Kazuki; Fujimoto Masaki; Maezawa Yoshiro; Saito Yasushi; Mori Seiji
CS Department of Clinical Cell Biology and Medicine, Chiba University Graduate School of Medicine, 1-8-1 Inohana, Chiba 260-8670, Japan.
SO Arteriosclerosis, thrombosis, and vascular biology, (2004 Feb) Vol. 24, No. 2, pp. 276-81. Electronic Publication: 2003-12-11.
Journal code: 9505803. E-ISSN: 1524-4636.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
LA English
FS Priority Journals
EM 200404
ED Entered STN: 10 Feb 2004
Last Updated on STN: 16 Apr 2004
Entered Medline: 15 Apr 2004

L16 ANSWER 29 OF 66 MEDLINE on STN

Full Text

AN 2004053670 MEDLINE
DN PubMed ID: 14612457
TI Role of cholesterol in the regulation of growth plate chondrogenesis and longitudinal **bone growth**.
AU Wu Shufang; De Luca Francesco
CS Section of Endocrinology and Diabetes, St. Christopher's Hospital for Children, Department of Pediatrics, Drexel University College of Medicine, Philadelphia, Pennsylvania 19134, USA.
SO The Journal of biological chemistry, (2004 Feb 6) Vol. 279, No. 6, pp. 4642-7. Electronic Publication: 2003-11-11.

Journal code: 2985121R. ISSN: 0021-9258.
 CY United States
 DT (IN VITRO)
 Journal; Article; (JOURNAL ARTICLE)
 (RESEARCH SUPPORT, NON-U.S. GOV'T)
 LA English
 FS Priority Journals
 EM 200404
 ED Entered STN: 3 Feb 2004
 Last Updated on STN: 2 Apr 2004
 Entered Medline: 1 Apr 2004

L16 ANSWER 30 OF 66 MEDLINE on STN

Full Text

AN 2003576257 MEDLINE
 DN PubMed ID: 14519596
 TI Pravastatin treatment attenuates interstitial inflammation and fibrosis in a rat model of chronic cyclosporine-induced nephropathy.
 AU Li Can; Yang Chul Woo; Park Joo Hyun; Lim Sun Woo; Sun Bo Kyung; Jung Ju Young; Kim Soon Bae; Kim Yong Soo; Kim Jin; Bang Byung Kee
 CS Department of Internal Medicine, Cell Death Disease Research Center, The Catholic University of Korea, 505 BanPo-Dong, SeoCho-Ku, Seoul 137-040, Korea.
 SO American journal of physiology. Renal physiology, (2004 Jan) Vol. 286, No. 1, pp. F46-57. Electronic Publication: 2003-09-30.
 Journal code: 100901990. ISSN: 0363-6127.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 (RESEARCH SUPPORT, NON-U.S. GOV'T)
 LA English
 FS Priority Journals
 EM 200402
 ED Entered STN: 16 Dec 2003
 Last Updated on STN: 11 Feb 2004
 Entered Medline: 10 Feb 2004

L16 ANSWER 31 OF 66 MEDLINE on STN

Full Text

AN 2003562564 MEDLINE
 DN PubMed ID: 14650474
 TI The Heart Protection Study: high-risk patients benefit from statins, regardless of LDL-C level.
 AU Gurm Hitinder S; Hoogwerf Byron
 CS Department of Cardiovascular Medicine, The Cleveland Clinic Foundation, OH 44195, USA.
 SO Cleveland Clinic journal of medicine, (2003 Nov) Vol. 70, No. 11, pp. 991-7.
 Journal code: 8703441. ISSN: 0891-1150.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200312
 ED Entered STN: 16 Dec 2003
 Last Updated on STN: 24 Dec 2003
 Entered Medline: 23 Dec 2003

L16 ANSWER 32 OF 66 MEDLINE on STN

Full Text

AN 2003477045 MEDLINE
 DN PubMed ID: 14555271
 TI Lovastatin inhibits adipogenic and stimulates osteogenic differentiation by suppressing PPARGgamma2 and increasing Cbfa1/Runx2 expression in bone marrow mesenchymal cell cultures.
 AU Li Xudong; Cui Quanjun; Kao Chinghai; Wang Gwo Jaw; Balian Gary
 CS Department of Orthopaedic Surgery, University of Virginia, School of Medicine, Charlottesville, VA 22908, USA.. x12n@virginia.edu
 SO Bone, (2003 Oct) Vol. 33, No. 4, pp. 652-9.
 Journal code: 8504048. ISSN: 8756-3282.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English

FS Priority Journals

EM 200407

ED Entered STN: 15 Oct 2003

Last Updated on STN: 7 Jul 2004

Entered Medline: 6 Jul 2004

L16 ANSWER 33 OF 66 MEDLINE on STN

Full Text

AN 2003444239 MEDLINE

DN PubMed ID: 14503978

TI Combination of statins and hormone replacement therapy in postmenopausal women is associated with increased bone mineral density.

AU De Leo V; Morgante G; la Marca A; Lanzetta D; Cobellis L; Petraglia F

CS Department of Pediatrics, Obstetrics and Reproductive Medicine, Institute of Obstetrics and Gynecology, University of Siena, Policlinico Le Scotte, Viale Bracci 6, 53100 Siena, Italy.

SO Gynecological endocrinology : the official journal of the International Society of Gynecological Endocrinology, (2003 Aug) Vol. 17, No. 4, pp. 329-32.

Journal code: 8807913. ISSN: 0951-3590.

CY England: United Kingdom

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 200405

ED Entered STN: 24 Sep 2003

Last Updated on STN: 10 May 2004

Entered Medline: 6 May 2004

L16 ANSWER 34 OF 66 MEDLINE on STN

Full Text

AN 2003379045 MEDLINE

DN PubMed ID: 12914771

TI Simvastatin induces osteoblastic differentiation and inhibits adipocytic differentiation in mouse bone marrow stromal cells.

AU Song Chunli; Guo Zhaoqing; Ma Qingjun; Chen Zhongqiang; Liu Zhongjun; Jia Hongti; Dang Gengting

CS Department of Orthopedics, Peking University Third Hospital, Beijing, PR China.

SO Biochemical and biophysical research communications, (2003 Aug 29) Vol. 308, No. 3, pp. 458-62.

Journal code: 0372516. ISSN: 0006-291X.

CY United States

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 200309

ED Entered STN: 14 Aug 2003

Last Updated on STN: 28 Sep 2003

Entered Medline: 26 Sep 2003

L16 ANSWER 35 OF 66 MEDLINE on STN

Full Text

AN 2003326934 MEDLINE

DN PubMed ID: 12856828

TI Effects of simvastatin on the development of **osteopenia** caused by ovariectomy in rats.

AU Pytlik Maria; Janiec Waldemar; Misiarz-Myrta Malgorzata; Gubala Iwona

CS Department of Pharmacology, Silesian Medical University, Jagiellonska 4, PL 41-200 Sosnowiec, Poland.

SO Polish journal of pharmacology, (2003 Jan-Feb) Vol. 55, No. 1, pp. 63-71.

Journal code: 9313882. ISSN: 1230-6002.

CY Poland

DT (COMPARATIVE STUDY)

Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 200402

ED Entered STN: 15 Jul 2003

Last Updated on STN: 2 Mar 2004

Entered Medline: 27 Feb 2004

L16 ANSWER 36 OF 66 MEDLINE on STN

Full Text

AN 2003317544 MEDLINE
DN PubMed ID: 12718758
TI Does simvastatin stimulate bone formation in vivo?.
AU von Stechow Dietrich; Fish Susan; Yahalom Dror; Bab Itai; Chorev Michael;
Muller Ralph; Alexander Joseph M
CS Orthopedic Biomechanics Laboratory, Beth Israel Deaconess Medical Center
and Harvard Medical School, Boston, MA, USA..
dvonstec@caregroup.harvard.edu
SO BMC musculoskeletal disorders, (2003 Apr 28) Vol. 4, pp. 8. Electronic
Publication: 2003-04-28.
Journal code: 100968565. E-ISSN: 1471-2474.
CY England: United Kingdom
DT (COMPARATIVE STUDY)
Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
LA English
FS Priority Journals
EM 200307
ED Entered STN: 9 Jul 2003
Last Updated on STN: 26 Jul 2003
Entered Medline: 25 Jul 2003

L16 ANSWER 37 OF 66 MEDLINE on STN

Full Text

AN 2003170848 MEDLINE
DN PubMed ID: 12689687
TI Effect of simvastatin treatment on bone mineral density and bone turnover
in hypercholesterolemic postmenopausal women: a 1-year longitudinal study.
AU Montagnani A; Gonnelli S; Cepollaro C; Pacini S; Campagna M S; Franci M B;
Lucani B; Gennari C
CS Department of Internal Medicine, University of Siena, Italy..
amontagnani@unisi.it
SO Bone, (2003 Apr) Vol. 32, No. 4, pp. 427-33.
Journal code: 8504048. ISSN: 8756-3282.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200312
ED Entered STN: 16 Apr 2003
Last Updated on STN: 17 Dec 2003
Entered Medline: 11 Dec 2003

L16 ANSWER 38 OF 66 MEDLINE on STN

Full Text

AN 2002656087 MEDLINE
DN PubMed ID: 12416771
TI Effects of simvastatin gels on murine calvarial bone.
AU Thylin Michael R; McConnell Jay C; Schmid Marian J; Reckling Ryon R; Ojha
Junu; Bhattacharyya Indraneel; Marx David B; Reinhardt Richard A
CS Department of Surgical Specialties, University of Nebraska Medical Center,
College of Dentistry, Lincoln 68583-0757, USA.
SO Journal of periodontology, (2002 Oct) Vol. 73, No. 10, pp. 1141-8.
Journal code: 8000345. ISSN: 0022-3492.
CY United States
DT (COMPARATIVE STUDY)
Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
LA English
FS Dental Journals; Priority Journals
EM 200301
ED Entered STN: 6 Nov 2002
Last Updated on STN: 15 Jan 2003
Entered Medline: 14 Jan 2003

L16 ANSWER 39 OF 66 MEDLINE on STN

Full Text

AN 2002651550 MEDLINE
DN PubMed ID: 12412808
TI Simvastatin improves fracture healing in mice.

AU Skoglund Bjorn; Forslund Carina; Aspenberg Per
 CS Department of Neuroscience and Locomotion, Faculty of Health Sciences,
 Linköping, Sweden.
 SO Journal of bone and mineral research : the official journal of the
 American Society for Bone and Mineral Research, (2002 Nov) Vol. 17, No.
 11, pp. 2004-8.
 Journal code: 8610640. ISSN: 0884-0431.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 (RESEARCH SUPPORT, NON-U.S. GOV'T)
 LA English
 FS Priority Journals
 EM 200304
 ED Entered STN: 5 Nov 2002
 Last Updated on STN: 25 Apr 2003
 Entered Medline: 24 Apr 2003

L16 ANSWER 40 OF 66 MEDLINE on STN

Full Text

AN 2002651549 MEDLINE
 DN PubMed ID: 12412807
 TI Role of the cholesterol biosynthetic pathway in osteoblastic
 differentiation of marrow stromal cells.
 AU Parhami Farhad; Mody Nilam; Gharavi Nima; Ballard Alex J; Tintut Yin;
 Demer Linda L
 CS Department of Medicine, University of California at Los Angeles, 90095,
 USA.
 NC HL30568 (NHLBI)
 IP60-AG10415 (NIA)
 SO Journal of bone and mineral research : the official journal of the
 American Society for Bone and Mineral Research, (2002 Nov) Vol. 17, No.
 11, pp. 1997-2003.
 Journal code: 8610640. ISSN: 0884-0431.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 (RESEARCH SUPPORT, NON-U.S. GOV'T)
 (RESEARCH SUPPORT, U.S. GOV'T, P.H.S.)
 LA English
 FS Priority Journals
 EM 200304
 ED Entered STN: 5 Nov 2002
 Last Updated on STN: 25 Apr 2003
 Entered Medline: 24 Apr 2003

L16 ANSWER 41 OF 66 MEDLINE on STN

Full Text

AN 2002434357 MEDLINE
 DN PubMed ID: 12190958
 TI Statins decrease bone turnover in postmenopausal women: a cross-sectional
 study.
 AU Rejnmark L; Buus N H; Vestergaard P; Andreassen F; Larsen M L; Mosekilde L
 CS Department of Endocrinology and Metabolism C, Aarhus Amtssygehus, Aarhus
 University Hospital, Aarhus University, Aarhus, Denmark..
rejnmark@post6.tele.dk
 SO European journal of clinical investigation, (2002 Aug) Vol. 32, No. 8, pp.
 581-9.
 Journal code: 0245331. ISSN: 0014-2972.
 CY England: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 (RESEARCH SUPPORT, NON-U.S. GOV'T)
 LA English
 FS Priority Journals
 EM 200301
 ED Entered STN: 23 Aug 2002
 Last Updated on STN: 23 Jan 2003
 Entered Medline: 22 Jan 2003

L16 ANSWER 42 OF 66 MEDLINE on STN

Full Text

AN 2002419923 MEDLINE
 DN PubMed ID: 12174823
 TI Lovastatin increases longitudinal bone growth and bone morphogenetic

protein-2 levels in the growth plate of Sprague-Dawley rats.
 AU Leem Kanghyun; Park Sun-Young; Lee Dong-Hwan; Kim Hocheol
 CS Department of Herbal Pharmacology, College of Pharmacy, Woosuk University,
 Chonbuk, South Korea.
 SO European journal of pediatrics, (2002 Jul) Vol. 161, No. 7, pp. 406-7.
 Journal code: 7603873. ISSN: 0340-6199.
 CY Germany: Germany, Federal Republic of
 DT Journal; Article; (JOURNAL ARTICLE)
 (RESEARCH SUPPORT, NON-U.S. GOV'T)
 LA English
 FS Priority Journals
 EM 200210
 ED Entered STN: 15 Aug 2002
 Last Updated on STN: 8 Oct 2002
 Entered Medline: 4 Oct 2002

L16 ANSWER 43 OF 66 MEDLINE on STN

Full Text

AN 2002303419 MEDLINE
 DN PubMed ID: 12044587
 TI The choice of hormone replacement therapy or statin therapy in the
 treatment of hyperlipidemic postmenopausal women.
 AU Seed Mary
 CS Department of Cardiovascular Medicine, National Heart and Lung Institute,
 Imperial College School of Medicine, Charing Cross Hospital Campus,
 London, UK.. m.seed@ic.ac.uk
 SO Atherosclerosis. Supplements, (2002 May) Vol. 3, No. 1, pp. 53-63. Ref:
 89
 Journal code: 100973461. ISSN: 1567-5688.
 CY Netherlands
 DT Journal; Article; (JOURNAL ARTICLE)
 General Review; (REVIEW)
 LA English
 FS Priority Journals
 EM 200212
 ED Entered STN: 5 Jun 2002
 Last Updated on STN: 17 Dec 2002
 Entered Medline: 4 Dec 2002

L16 ANSWER 44 OF 66 MEDLINE on STN

Full Text

AN 2002242358 MEDLINE
 DN PubMed ID: 11979970
 TI Stimulation of bone formation by anti-hyperlipidemic agent statins and its
 mechanism of action.
 AU Yoneda Toshiyuki
 CS Department of Biochemistry, Osaka University Graduate School of Dentistry.
 SO Nippon rinsho. Japanese journal of clinical medicine, (2002 Mar) Vol. 60
 Suppl 3, pp. 688-95. Ref: 11
 Journal code: 0420546. ISSN: 0047-1852.
 CY Japan
 DT Journal; Article; (JOURNAL ARTICLE)
 General Review; (REVIEW)
 LA Japanese
 FS Priority Journals
 EM 200206
 ED Entered STN: 1 May 2002
 Last Updated on STN: 5 Jun 2002
 Entered Medline: 4 Jun 2002

L16 ANSWER 45 OF 66 MEDLINE on STN

Full Text

AN 2002082544 MEDLINE
 DN PubMed ID: 11809001
 TI Anabolic agents for treating postmenopausal **osteoporosis**.
 AU Meunier P J
 CS Department of Rheumatology and Bone Diseases, Pavillon F, Hopital
 Edouard-Herriot, Lyon, France.. meunier@lyon151.inserm.fr
 SO Joint, bone, spine : revue du rhumatisme, (2001 Dec) Vol. 68, No. 6, pp.
 576-81. Ref: 43
 Journal code: 100938016. ISSN: 1297-319X.
 CY France

DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
LA English
FS Priority Journals
EM 200206
ED Entered STN: 28 Jan 2002
Last Updated on STN: 8 Oct 2002
Entered Medline: 26 Jun 2002

L16 ANSWER 46 OF 66 MEDLINE on STN

Full Text

AN 2002076768 MEDLINE
DN PubMed ID: 11803091
TI Statins as novel therapies for osteoporosis?
AU Galloway Peter; Greer Ian A; Sattar Naveed
SO European journal of obstetrics, gynecology, and reproductive biology,
(2002 Feb 10) Vol. 101, No. 1, pp. 4-5. Ref: 10
Journal code: 0375672. ISSN: 0301-2115.
CY Ireland
DT Editorial
General Review; (REVIEW)
LA English
FS Priority Journals
EM 200206
ED Entered STN: 25 Jan 2002
Last Updated on STN: 11 Jun 2002
Entered Medline: 6 Jun 2002

L16 ANSWER 47 OF 66 MEDLINE on STN

Full Text

AN 2001512495 MEDLINE
DN PubMed ID: 11549708
TI Simvastatin increases serum osteocalcin concentration in patients treated
for hypercholesterolaemia.
AU Chan M H; Mak T W; Chiu R W; Chow C C; Chan I H; Lam C W
CS Department of Chemical Pathology, The Chinese University of Hong Kong,
Hong Kong.
SO The Journal of clinical endocrinology and metabolism, (2001 Sep) Vol. 86,
No. 9, pp. 4556-9.
Journal code: 0375362. ISSN: 0021-972X.
CY United States
DT (CLINICAL TRIAL)
Journal; Article; (JOURNAL ARTICLE)
LA English
FS Abridged Index Medicus Journals; Priority Journals
EM 200110
ED Entered STN: 19 Sep 2001
Last Updated on STN: 15 Oct 2001
Entered Medline: 11 Oct 2001

L16 ANSWER 48 OF 66 MEDLINE on STN

Full Text

AN 2001506642 MEDLINE
DN PubMed ID: 11554731
TI Pitavastatin enhanced BMP-2 and osteocalcin expression by inhibition of
Rho-associated kinase in human osteoblasts.
AU Ohnaka K; Shimoda S; Nawata H; Shimokawa H; Kaibuchi K; Iwamoto Y;
Takayanagi R
CS Department of Geriatric Medicine, Graduate School of Medical Sciences,
Kyushu University, Fukuoka, Japan.. oonaka@geriat.med.kyushu-u.ac.jp
SO Biochemical and biophysical research communications, (2001 Sep 21) Vol.
287, No. 2, pp. 337-42.
Journal code: 0372516. ISSN: 0006-291X.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
LA English
FS Priority Journals
EM 200110
ED Entered STN: 17 Sep 2001
Last Updated on STN: 20 Apr 2002
Entered Medline: 18 Oct 2001

L16 ANSWER 49 OF 66 MEDLINE on STN

Full Text

AN 2001441857 MEDLINE
DN PubMed ID: 11487306
TI Essential fatty acids as possible mediators of the actions of statins.
AU Das U N
CS EFA Sciences LLC, 1420 Providence Highway, Norwood, MA 02062, USA..
undurti@hotmail.com
SO Prostaglandins, leukotrienes, and essential fatty acids, (2001 Jul) Vol.
65, No. 1, pp. 37-40. Ref: 48
Journal code: 8802730. ISSN: 0952-3278.
CY Scotland: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
LA English
FS Priority Journals
EM 200110
ED Entered STN: 13 Aug 2001
Last Updated on STN: 8 Oct 2001
Entered Medline: 4 Oct 2001

L16 ANSWER 50 OF 66 MEDLINE on STN

Full Text

AN 2001389929 MEDLINE
DN PubMed ID: 11444086
TI The effect of fluvastatin on parameters of bone remodeling.
AU Bjarnason N H; Riis B J; Christiansen C
CS Center for Clinical & Basic Research, Ballerup Byvej 222, DK-2750
Ballerup, Denmark.. nibj@gentoftehosp.kbharnt.dk
SO Osteoporosis international : a journal established as result of
cooperation between the European Foundation for Osteoporosis and the
National Osteoporosis Foundation of the USA, (2001) Vol. 12, No. 5, pp.
380-4.
Journal code: 9100105. ISSN: 0937-941X.
CY England: United Kingdom
DT (CLINICAL TRIAL)
Journal; Article; (JOURNAL ARTICLE)
(RANDOMIZED CONTROLLED TRIAL)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
LA English
FS Priority Journals
EM 200108
ED Entered STN: 6 Aug 2001
Last Updated on STN: 6 Aug 2001
Entered Medline: 2 Aug 2001

L16 ANSWER 51 OF 66 MEDLINE on STN

Full Text

AN 2001357250 MEDLINE
DN PubMed ID: 11417585
TI Statins and fractures.
AU Wierzbicki A S; Reynolds T M
SO Lancet, (2001 Jun 9) Vol. 357, No. 9271, pp. 1887-9.
Journal code: 2985213R. ISSN: 0140-6736.
CY England: United Kingdom
DT Commentary
Letter
LA English
FS Abridged Index Medicus Journals; Priority Journals
EM 200107
ED Entered STN: 9 Jul 2001
Last Updated on STN: 3 Oct 2001
Entered Medline: 5 Jul 2001

L16 ANSWER 52 OF 66 MEDLINE on STN

Full Text

AN 2001341667 MEDLINE
DN PubMed ID: 11405194
TI Statins and bone formation.
AU Garrett I R; Gutierrez G; Mundy G R
CS Department of Endocrinology/Medicine, University of Texas Health Science

Center at San Antonio, USA.. rossos@aol.com
 SO Current pharmaceutical design, (2001 May) Vol. 7, No. 8, pp. 715-36. Ref: 87
 Journal code: 9602487. ISSN: 1381-6128.
 CY Netherlands
 DT Journal; Article; (JOURNAL ARTICLE)
 General Review; (REVIEW)
 LA English
 FS Priority Journals
 EM 200107
 ED Entered STN: 30 Jul 2001
 Last Updated on STN: 30 Jul 2001
 Entered Medline: 26 Jul 2001

L16 ANSWER 53 OF 66 MEDLINE on STN

Full Text

AN 2001335674 MEDLINE
 DN PubMed ID: 11402915
 TI [Statins as new therapeutic possibility in osteoporosis?].
 Statine als neue Therapiemöglichkeit der Osteoporose?.
 AU Laufs U; Werner N; Bohm M; Nickenig G
 CS Medizinische Klinik und Poliklinik, Innere Medizin III,
 Universitätskliniken des Saarlandes, Homburg.. ulrich@laufs.com
 SO Deutsche medizinische Wochenschrift (1946), (2001 May 11) Vol. 126, No. 19, pp. 565-8.
 Journal code: 0006723. ISSN: 0012-0472.
 CY Germany: Germany, Federal Republic of
 DT Journal; Article; (JOURNAL ARTICLE)
 LA German
 FS Priority Journals
 EM 200106
 ED Entered STN: 2 Jul 2001
 Last Updated on STN: 24 Jan 2002
 Entered Medline: 28 Jun 2001

L16 ANSWER 54 OF 66 MEDLINE on STN

Full Text

AN 2001327668 MEDLINE
 DN PubMed ID: 11394905
 TI Compactin enhances osteogenesis in murine embryonic stem cells.
 AU Phillips B W; Belmonte N; Vernochet C; Ailhaud G; Dani C
 CS Centre de Biochimie (UMR 6543 CNRS), Faculte de Sciences, Universite de Nice-Sophia Antipolis, Parc Valrose, Nice, 06108, France.
 SO Biochemical and biophysical research communications, (2001 Jun 8) Vol. 284, No. 2, pp. 478-84.
 Journal code: 0372516. ISSN: 0006-291X.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 (RESEARCH SUPPORT, NON-U.S. GOV'T)
 LA English
 FS Priority Journals
 EM 200107
 ED Entered STN: 16 Jul 2001
 Last Updated on STN: 16 Jul 2001
 Entered Medline: 12 Jul 2001

L16 ANSWER 55 OF 66 MEDLINE on STN

Full Text

AN 2001325800 MEDLINE
 DN PubMed ID: 11325797
 TI NK-104, a 3-hydroxy-3-methylglutaryl coenzyme A reductase inhibitor, reduces osteopontin expression by rat aortic smooth muscle cells.
 AU Takemoto M; Kitahara M; Yokote K; Asaumi S; Take A; Saito Y; Mori S
 CS Second Department of Internal Medicine, School of Medicine, Chiba University, 1-8-1 Inohana, Chiba 260-0856, Japan.
 SO British journal of pharmacology, (2001 May) Vol. 133, No. 1, pp. 83-8.
 Journal code: 7502536. ISSN: 0007-1188.
 CY England: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 (RESEARCH SUPPORT, NON-U.S. GOV'T)
 LA English
 FS Priority Journals

EM 200107
ED Entered STN: 30 Jul 2001
Last Updated on STN: 30 Jul 2001
Entered Medline: 26 Jul 2001

L16 ANSWER 56 OF 66 MEDLINE on STN

Full Text

AN 2001228587 MEDLINE
DN PubMed ID: 11240412
TI [Mechanisms of action of statins and their pleiotropic effects].
Mecanismes d'action des statines et leurs effets pleiotropes.
AU Davignon J; Mabile L
CS Institut de recherches cliniques de Montreal, 110, av. des Pins Ouest,
Montreal, Quebec, H2W 1R7 Canada.. davignonj@ircm.qc.ca
SO Annales d'endocrinologie, (2001 Feb) Vol. 62, No. 1 Pt 2, pp. 101-12.
Ref: 124
Journal code: 0116744. ISSN: 0003-4266.
CY France
DT (ENGLISH ABSTRACT)
Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
LA French
FS Priority Journals
EM 200104
ED Entered STN: 2 May 2001
Last Updated on STN: 2 May 2001
Entered Medline: 26 Apr 2001

L16 ANSWER 57 OF 66 MEDLINE on STN

Full Text

AN 2001194519 MEDLINE
DN PubMed ID: 11176209
TI Bimonthly update. Therapy and clinical trials.
AU Bachorik P Spbach@prodigy.net
SO Current opinion in lipidology, (2001 Feb) Vol. 12, No. 1, pp. 89-91.
Journal code: 9010000. ISSN: 0957-9672.
CY England: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200104
ED Entered STN: 10 Apr 2001
Last Updated on STN: 10 Apr 2001
Entered Medline: 5 Apr 2001

L16 ANSWER 58 OF 66 MEDLINE on STN

Full Text

AN 2001179468 MEDLINE
DN PubMed ID: 11162604
TI Simvastatin promotes osteoblast differentiation and mineralization in
MC3T3-E1 cells.
AU Maeda T; Matsunuma A; Kawane T; Horiuchi N
CS Department of Biochemistry, Ohu University School of Dentistry, Koriyama
963-8611, Japan.
SO Biochemical and biophysical research communications, (2001 Jan 26) Vol.
280, No. 3, pp. 874-7.
Journal code: 0372516. ISSN: 0006-291X.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
LA English
FS Priority Journals
EM 200103
ED Entered STN: 4 Apr 2001
Last Updated on STN: 4 Apr 2001
Entered Medline: 29 Mar 2001

L16 ANSWER 59 OF 66 MEDLINE on STN

Full Text

AN 2001152026 MEDLINE
DN PubMed ID: 11229669
TI Effect of pravastatin on frequency of fracture in the LIPID study:

secondary analysis of a randomised controlled trial. Long-term Intervention with Pravastatin in Ischaemic Disease.

AU Reid I R; Hague W; Emberson J; Baker J; Tonkin A; Hunt D; MacMahon S; Sharpe N

CS Department of Medicine, University of Auckland, New Zealand..
i.reid@auckland.ac.nz

SO Lancet, (2001 Feb 17) Vol. 357, No. 9255, pp. 509-12.
Journal code: 2985213R. ISSN: 0140-6736.

CY England: United Kingdom

DT (CLINICAL TRIAL)
Journal; Article; (JOURNAL ARTICLE)
(RANDOMIZED CONTROLLED TRIAL)
(RESEARCH SUPPORT, NON-U.S. GOV'T)

LA English

FS Abridged Index Medicus Journals; Priority Journals

EM 200103

ED Entered STN: 4 Apr 2001
Last Updated on STN: 3 Oct 2001
Entered Medline: 15 Mar 2001

L16 ANSWER 60 OF 66 MEDLINE on STN
Full Text

AN 2001061410 MEDLINE

DN PubMed ID: 11063528

TI Will statins unseat estrogen?.

AU Anonymous

SO Harvard heart letter : from Harvard Medical School, (2000 Nov) Vol. 11, No. 3, pp. 1-4.
Journal code: 9425723. ISSN: 1051-5313.

CY United States

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Consumer Health

EM 200012

ED Entered STN: 22 Mar 2001
Last Updated on STN: 22 Mar 2001
Entered Medline: 22 Dec 2000

L16 ANSWER 61 OF 66 MEDLINE on STN
Full Text

AN 2000301716 MEDLINE

DN PubMed ID: 10842899

TI [Atherosclerosis in light of the evidence from large statin trials].
L'aterosclerosi alla luce delle evidenze dei grandi trial con le statine.

AU Cortese C; Bernardini S; Motti C

CS Dipartimento di Medicina Interna, Universita degli Studi Tor Vergata di Roma.. cortese@uniroma2.it

SO Annali italiani di medicina interna : organo ufficiale della Societa italiana di medicina interna, (2000 Jan-Mar) Vol. 15, No. 1, pp. 103-7.
Ref: 35
Journal code: 8806705. ISSN: 0393-9340.

CY Italy

DT (ENGLISH ABSTRACT)
Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)

LA Italian

FS Priority Journals

EM 200008

ED Entered STN: 11 Aug 2000
Last Updated on STN: 11 Aug 2000
Entered Medline: 2 Aug 2000

L16 ANSWER 62 OF 66 MEDLINE on STN
Full Text

AN 2000275477 MEDLINE

DN PubMed ID: 10814523

TI Compactin and simvastatin, but not pravastatin, induce bone morphogenetic protein-2 in human osteosarcoma cells.

AU Sugiyama M; Kodama T; Konishi K; Abe K; Asami S; Oikawa S

CS Suntory Biomedical Research Limited, Suntory Institute for Fundamental Research, 1-1-1 Wakayamadai, Osaka, Shimamoto-cho, Mishima-gun, 618-8503, Japan.

SO Biochemical and biophysical research communications, (2000 May 19) Vol. 271, No. 3, pp. 688-92.
 Journal code: 0372516. ISSN: 0006-291X.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200006
 ED Entered STN: 29 Jun 2000
 Last Updated on STN: 29 Jun 2000
 Entered Medline: 20 Jun 2000

L16 ANSWER 63 OF 66 MEDLINE on STN

Full Text

AN 2000273568 MEDLINE
 DN PubMed ID: 10833211
 TI Coverage by the news media of the benefits and risks of medications.
 AU Moynihan R; Bero L; Ross-Degnan D; Henry D; Lee K; Watkins J; Mah C; Soumerai S B
 CS Department of Ambulatory Care and Prevention, Harvard Medical School and Harvard Pilgrim Health Care, Boston, MA 02215, USA.
 SO The New England journal of medicine, (2000 Jun 1) Vol. 342, No. 22, pp. 1645-50.
 Journal code: 0255562. ISSN: 0028-4793.
 Report No.: KIE-65663.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 (RESEARCH SUPPORT, NON-U.S. GOV'T)
 LA English
 FS Abridged Index Medicus Journals; Bioethics; Priority Journals
 EM 200006
 ED Entered STN: 13 Jun 2000
 Last Updated on STN: 18 Mar 2003
 Entered Medline: 1 Jun 2000

L16 ANSWER 64 OF 66 MEDLINE on STN

Full Text

AN 2000066519 MEDLINE
 DN PubMed ID: 10610568
 TI Cholesterol-lowering drugs may boost bones.
 AU Vogel G
 SO Science (New York, N.Y.), (1999 Dec 3) Vol. 286, No. 5446, pp. 1825-6.
 Journal code: 0404511. ISSN: 0036-8075.
 CY United States
 DT Commentary
 News Announcement
 LA English
 FS Priority Journals
 EM 199912
 ED Entered STN: 13 Jan 2000
 Last Updated on STN: 13 Jan 2000
 Entered Medline: 16 Dec 1999

L16 ANSWER 65 OF 66 MEDLINE on STN

Full Text

AN 2000050954 MEDLINE
 DN PubMed ID: 10583956
 TI Stimulation of bone formation in vitro and in rodents by statins.
 AU Mundy G; Garrett R; Harris S; Chan J; Chen D; Rossini G; Boyce B; Zhao M; Gutierrez G
 CS OsteoScreen, 2040 Babcock Road, San Antonio, TX 78229, USA..
mundy@uthscsa.edu
 SO Science (New York, N.Y.), (1999 Dec 3) Vol. 286, No. 5446, pp. 1946-9.
 Journal code: 0404511. ISSN: 0036-8075.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199912
 ED Entered STN: 13 Jan 2000
 Last Updated on STN: 13 Jan 2000
 Entered Medline: 16 Dec 1999

L16 ANSWER 66 OF 66 MEDLINE on STN
Full Text
AN 96102566 MEDLINE
DN PubMed ID: 8527957
TI Lipid clearing agents in steroid-induced osteoporosis.
AU Wang G J; Chung K C; Shen W J
CS Department of Orthopedics, University of Virginia School of Medicine,
Charlottesville 22908, USA.
SO Journal of the Formosan Medical Association = Taiwan yi zhi, (1995 Oct)
Vol. 94, No. 10, pp. 589-92.
Journal code: 9214933. ISSN: 0929-6646.
CY TAIWAN: Taiwan, Province of China
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199601
ED Entered STN: 20 Feb 1996
Last Updated on STN: 20 Feb 1996
Entered Medline: 30 Jan 1996

=> d his

(FILE 'HOME' ENTERED AT 18:46:43 ON 10 JUN 2007)

FILE 'REGISTRY' ENTERED AT 18:47:02 ON 10 JUN 2007

	E ATORVASTATIN/CN
L1	1 S E3
	E CERIVASTATIN/CN
L2	1 S E3
	E LOVASTATIN/CN
L3	1 S E3
	E SIMVASTATIN/CN
L4	1 S E3
	E FLUVASTATIN/CN
L5	1 S E3
	E PRVASTATIN/CN
	E PRAVASTATIN/CN
L6	1 S E3
	E ROSUVASTATIN/CN
L7	1 S E3
	E NK 104/CN
L8	4 S E3
	E AGRININE/CN
	E ARGININE/CN
L9	2 S E3

FILE 'MEDLINE' ENTERED AT 18:50:19 ON 10 JUN 2007

L10	8038 S L1 OR L2 OR L3 OR L4 OR L5 OR L6 OR L7 OR L8
L11	63898 S (BONE GROWTH OR OSTEOP?)
L12	29782 S L9
L13	77022 S ARGININE
L14	66 S L10 AND L11
L15	66 S L11 AND L14
L16	66 S L14 AND L15

=> s l11 and l13

L17 176 L11 AND L13

=> s l14 and l17

L18 0 L14 AND L17

=> d l17 160-176

L17 ANSWER 160 OF 176 MEDLINE on STN

Full Text

AN 93157858 MEDLINE
DN PubMed ID: 8430340
TI Skeletal manifestations of lysinuric protein intolerance. A follow-up
study of 29 patients.
AU Svedstrom E; Parto K; Marttinen M; Virtama P; Simell O

CS Department of Diagnostic Radiology, University of Turku, Finland.
 SO Skeletal radiology, (1993) Vol. 22, No. 1, pp. 11-6.
 Journal code: 7701953. ISSN: 0364-2348.
 CY GERMANY: Germany, Federal Republic of
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199303
 ED Entered STN: 26 Mar 1993
 Last Updated on STN: 26 Mar 1993
 Entered Medline: 11 Mar 1993

L17 ANSWER 161 OF 176 MEDLINE on STN
Full Text
 AN 93043597 MEDLINE
 DN PubMed ID: 1421573
 TI Expression and distribution of **osteopontin** in human tissues: widespread association with luminal epithelial surfaces.
 AU Brown L F; Berse B; Van de Water L; Papadopoulos-Sergiou A; Perruzzi C A; Manseau E J; Dvorak H F; Senger D R
 CS Department of Pathology, Beth Israel Hospital, Boston, Massachusetts.
 NC CA-28471 (NCI)
 CA-34025 (NCI)
 SO Molecular biology of the cell, (1992 Oct) Vol. 3, No. 10, pp. 1169-80.
 Journal code: 9201390. ISSN: 1059-1524.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 (RESEARCH SUPPORT, NON-U.S. GOV'T)
 (RESEARCH SUPPORT, U.S. GOV'T, P.H.S.)
 LA English
 FS Priority Journals
 EM 199212
 ED Entered STN: 22 Jan 1993
 Last Updated on STN: 22 Jan 1993
 Entered Medline: 22 Dec 1992

L17 ANSWER 162 OF 176 MEDLINE on STN
Full Text
 AN 92362121 MEDLINE
 DN PubMed ID: 1499220
 TI Structure, expression, and regulation of the major noncollagenous matrix proteins of bone.
 AU Young M F; Kerr J M; Ibaraki K; Heegaard A M; Robey P G
 CS Bone Research Branch, National Institute of Dental Research, National Institutes of Health, Bethesda, Maryland 20892.
 SO Clinical orthopaedics and related research, (1992 Aug) No. 281, pp. 275-94. Ref: 126
 Journal code: 0075674. ISSN: 0009-921X.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 General Review; (REVIEW)
 LA English
 FS Abridged Index Medicus Journals; Priority Journals; Space Life Sciences
 EM 199209
 ED Entered STN: 25 Sep 1992
 Last Updated on STN: 6 Feb 1998
 Entered Medline: 14 Sep 1992

L17 ANSWER 163 OF 176 MEDLINE on STN
Full Text
 AN 92347489 MEDLINE
 DN PubMed ID: 1639145
 TI RGD-directed attachment of isolated rat osteoclasts to **osteopontin**, bone sialoprotein, and fibronectin.
 AU Flores M E; Norgard M; Heinegard D; Reinholt F P; Andersson G
 CS Department of Pathology, Karolinska Institutet, Huddinge University Hospital, Sweden.
 SO Experimental cell research, (1992 Aug) Vol. 201, No. 2, pp. 526-30.
 Journal code: 0373226. ISSN: 0014-4827.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 (RESEARCH SUPPORT, NON-U.S. GOV'T)

LA English
FS Priority Journals
EM 199209
ED Entered STN: 11 Sep 1992
Last Updated on STN: 11 Sep 1992
Entered Medline: 3 Sep 1992

L17 ANSWER 164 OF 176 MEDLINE on STN

Full Text

AN 92231535 MEDLINE
DN PubMed ID: 1567180
TI Induction of expression of **osteopontin** (OPN; secreted phosphoprotein) in metastatic, ras-transformed NIH 3T3 cells.
AU Chambers A F; Behrend E I; Wilson S M; Denhardt D T
CS London Regional Cancer Centre, Ontario, Canada.
SO Anticancer research, (1992 Jan-Feb) Vol. 12, No. 1, pp. 43-7.
Journal code: 8102988. ISSN: 0250-7005.
CY Greece
DT Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
LA English
FS Priority Journals
EM 199205
ED Entered STN: 7 Jun 1992
Last Updated on STN: 3 Feb 1997
Entered Medline: 19 May 1992

L17 ANSWER 165 OF 176 MEDLINE on STN

Full Text

AN 92106750 MEDLINE
DN PubMed ID: 1762381
TI [Increased prevalence of **osteoporosis** and arteriosclerosis in conventionally substituted anterior pituitary insufficiency: need for additional growth hormone substitution?].
Erhohte Prävalenz von **Osteoporose** und Arteriosklerose bei konventionell substituiertem Hypophysenvorderlappeninsuffizienz: Bedarf einer zusätzlichen Wachstumshormonsubstitution?.
AU Wuster C; Slenczka E; Ziegler R
CS Abteilung Innere Medizin I, Endokrinologie und Stoffwechsel, Universität Heidelberg.
SO Klinische Wochenschrift, (1991 Oct 18) Vol. 69, No. 16, pp. 769-73.
Journal code: 2985205R. ISSN: 0023-2173.
CY GERMANY: Germany, Federal Republic of
DT (ENGLISH ABSTRACT)
Journal; Article; (JOURNAL ARTICLE)
LA German
FS Priority Journals
EM 199202
ED Entered STN: 2 Mar 1992
Last Updated on STN: 2 Mar 1992
Entered Medline: 7 Feb 1992

L17 ANSWER 166 OF 176 MEDLINE on STN

Full Text

AN 90039033 MEDLINE
DN PubMed ID: 2681500
TI Growth hormone and growth in diabetic rats: effects of insulin and insulin-like growth factor-I infusions.
AU Carlsson L M; Clark R G; Skottner A; Robinson I C
CS Division of Neurophysiology and Neuropharmacology, National Institute for Medical Research, Mill Hill, London.
SO The Journal of endocrinology, (1989 Sep) Vol. 122, No. 3, pp. 661-70.
Journal code: 0375363. ISSN: 0022-0795.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 198912
ED Entered STN: 28 Mar 1990
Last Updated on STN: 28 Mar 1990
Entered Medline: 4 Dec 1989

L17 ANSWER 167 OF 176 MEDLINE on STN

Full Text

AN 88018029 MEDLINE
DN PubMed ID: 2821619
TI New perspectives in cell adhesion: RGD and integrins.
AU Ruoslahti E; Pierschbacher M D
CS La Jolla Cancer Research Foundation, CA 92037.
NC CA 28896 (NCI)
CA 30199 (NCI)
CA 42507 (NCI)
SO Science (New York, N.Y.), (1987 Oct 23) Vol. 238, No. 4826, pp. 491-7.
Ref: 65
Journal code: 0404511. ISSN: 0036-8075.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, U.S. GOV'T, P.H.S.)
General Review; (REVIEW)
LA English
FS Priority Journals
EM 198711
ED Entered STN: 5 Mar 1990
Last Updated on STN: 3 Feb 1997
Entered Medline: 20 Nov 1987

L17 ANSWER 168 OF 176 MEDLINE on STN

Full Text

AN 85086190 MEDLINE
DN PubMed ID: 3917550
TI Lysinuric protein intolerance presenting as childhood **osteoporosis**.
Clinical and skeletal response to citrulline therapy.
AU Carpenter T O; Levy H L; Holtrop M E; Shih V E; Anast C S
NC AM 07072 (NIADDK)
HD 18653 (NICHD)
M01-RR 02172 (NCRR)
+
SO The New England journal of medicine, (1985 Jan 31) Vol. 312, No. 5, pp.
290-4.
Journal code: 0255562. ISSN: 0028-4793.
CY United States
DT (CASE REPORTS)
Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, U.S. GOV'T, P.H.S.)
LA English
FS Abridged Index Medicus Journals; Priority Journals
EM 198502
ED Entered STN: 20 Mar 1990
Last Updated on STN: 3 Feb 1997
Entered Medline: 20 Feb 1985

L17 ANSWER 169 OF 176 MEDLINE on STN

Full Text

AN 83054273 MEDLINE
DN PubMed ID: 6754493
TI Glucose metabolism in patients receiving chronic calcitonin treatment.
AU Guigliano D; Passariello N; Sgambato S; Torella R; Ceriello A; D'Onofrio F
SO Diabete & metabolisme, (1982 Sep) Vol. 8, No. 3, pp. 213-6.
Journal code: 7604157. ISSN: 0338-1684.
CY France
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 198301
ED Entered STN: 17 Mar 1990
Last Updated on STN: 17 Mar 1990
Entered Medline: 27 Jan 1983

L17 ANSWER 170 OF 176 MEDLINE on STN

Full Text

AN 82134239 MEDLINE
DN PubMed ID: 6800334
TI [Lysinuric protein intolerance: a severe hyperammonemia secondary to
l-arginine deficiency (author's transl)].

L'intolerance aux proteines avec lysinurie: une hyperammoniemie severe par carence en L-arginine.
 AU Coude F X; Ogier H; Charpentier C; Cathelineau L; Grimber G; Parvy P; Saudubray J M; Frezal J
 SO Archives francaises de pediatrie, (1981 Dec) Vol. 38 Suppl 1, pp. 829-35.
 Journal code: 0372421. ISSN: 0003-9764.
 CY France
 DT (CASE REPORTS)
 (ENGLISH ABSTRACT)
 Journal; Article; (JOURNAL ARTICLE)
 LA French
 FS Priority Journals
 EM 198204
 ED Entered STN: 17 Mar 1990
 Last Updated on STN: 17 Mar 1990
 Entered Medline: 12 Apr 1982

L17 ANSWER 171 OF 176 MEDLINE on STN

Full Text

AN 80064091 MEDLINE
 DN PubMed ID: 508023
 TI The role of growth hormone in the pathogenesis of postmenopausal osteoporosis.
 AU Rico H; Del Rio A; Vila T; Patino R; Carrera F; Espinos D
 SO Archives of internal medicine, (1979 Nov) Vol. 139, No. 11, pp. 1263-5.
 Journal code: 0372440. ISSN: 0003-9926.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Abridged Index Medicus Journals; Priority Journals
 EM 198001
 ED Entered STN: 15 Mar 1990
 Last Updated on STN: 15 Mar 1990
 Entered Medline: 28 Jan 1980

L17 ANSWER 172 OF 176 MEDLINE on STN

Full Text

AN 77172227 MEDLINE
 DN PubMed ID: 404616
 TI Comparative study on the composition of the organic matrix of the long bones of the "normal" rat and of the mutant Op/Orl.
 AU Moczar E; Berenholc S; Lamendin H; Allard R; Robert A M
 SO Pathologie-biologie, (1977 Mar) Vol. 25, No. 3, pp. 187-90.
 Journal code: 0265365. ISSN: 0369-8114.
 Report No.: NASA-77172227.
 CY France
 DT (COMPARATIVE STUDY)
 Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals; Space Life Sciences
 EM 197706
 ED Entered STN: 13 Mar 1990
 Last Updated on STN: 13 Mar 1990
 Entered Medline: 11 Jun 1977

L17 ANSWER 173 OF 176 MEDLINE on STN

Full Text

AN 76232580 MEDLINE
 DN PubMed ID: 4220398
 TI Lysinuric protein intolerance.
 AU Perheentupa J; Simell O
 SO Birth defects original article series, (1974) Vol. 10, No. 4, pp. 201-7.
 Journal code: 0003403. ISSN: 0547-6844.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 197609
 ED Entered STN: 13 Mar 1990
 Last Updated on STN: 13 Mar 1990
 Entered Medline: 25 Sep 1976

L17 ANSWER 174 OF 176 MEDLINE on STN
Full Text
AN 75222569 MEDLINE
DN PubMed ID: 1155480
TI Lysinuric protein intolerance.
AU Simell O; Perheentupa J; Rapola J; Visakorpi J K; Eskelin L E
SO The American journal of medicine, (1975 Aug) Vol. 59, No. 2, pp. 229-40.
Journal code: 0267200. ISSN: 0002-9343.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Abridged Index Medicus Journals; Priority Journals
EM 197511
ED Entered STN: 10 Mar 1990
Last Updated on STN: 10 Mar 1990
Entered Medline: 6 Nov 1975

L17 ANSWER 175 OF 176 MEDLINE on STN
Full Text
AN 74260695 MEDLINE
DN PubMed ID: 4134749
TI Metachromatic staining of basic nucleoproteins in chronic erythremic myelosis.
AU Kass L
SO American journal of clinical pathology, (1974 Jul) Vol. 62, No. 1, pp. 21-6.
Journal code: 0370470. ISSN: 0002-9173.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Abridged Index Medicus Journals; Priority Journals
EM 197408
ED Entered STN: 10 Mar 1990
Last Updated on STN: 10 Mar 1990
Entered Medline: 28 Aug 1974

L17 ANSWER 176 OF 176 MEDLINE on STN
Full Text
AN 70003940 MEDLINE
DN PubMed ID: 4390462
TI Studies of the pituitary-Leydig cell axis in young men with hypogonadotropic hypogonadism and hyposmia: comparison with normal men, prepuberal boys, and hypopituitary patients.
AU Bardin C W; Ross G T; Rifkind A B; Cargille C M; Lipsett M B
SO The Journal of clinical investigation, (1969 Nov) Vol. 48, No. 11, pp. 2046-56.
Journal code: 7802877. ISSN: 0021-9738.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Abridged Index Medicus Journals; Priority Journals
EM 196911
ED Entered STN: 1 Jan 1990
Last Updated on STN: 3 Mar 2000
Entered Medline: 30 Nov 1969

=> d his

(FILE 'HOME' ENTERED AT 18:46:43 ON 10 JUN 2007)

FILE 'REGISTRY' ENTERED AT 18:47:02 ON 10 JUN 2007

	E ATORVASTATIN/CN
L1	1 S E3
	E CERIVASTATIN/CN
L2	1 S E3
	E LOVASTATIN/CN
L3	1 S E3
	E SIMVASTATIN/CN
L4	1 S E3
	E FLUVASTATIN/CN
L5	1 S E3

L6 E PRVASTATIN/CN
 1 S E3
 E PRAVASTATIN/CN
 L7 1 S E3
 E ROSUVASTATIN/CN
 L8 4 S E3
 E NK 104/CN
 E AGRININE/CN
 E ARGININE/CN
 L9 2 S E3

FILE 'MEDLINE' ENTERED AT 18:50:19 ON 10 JUN 2007

L10 8038 S L1 OR L2 OR L3 OR L4 OR L5 OR L6 OR L7 OR L8
 L11 63898 S (BONE GROWTH OR OSTEOP?)
 L12 29782 S L9
 L13 77022 S ARGININE
 L14 66 S L10 AND L11
 L15 66 S L11 AND L14
 L16 66 S L14 AND L15
 L17 176 S L11 AND L13
 L18 0 S L14 AND L17

=> d l14 1-66

L14 ANSWER 1 OF 66 MEDLINE on STN

Full Text

AN 2007092941 MEDLINE
 DN PubMed ID: 17179158
 TI Statin-induced Ras activation integrates the phosphatidylinositol 3-kinase signal to Akt and MAPK for bone morphogenetic protein-2 expression in osteoblast differentiation.
 AU Ghosh-Choudhury Nandini; Mandal Chandi Charan; Choudhury Goutam Ghosh
 CS Department of Pathology, The University of Texas Health Science Center at San Antonio, TX 78229, USA.. choudhury@uthscsa.edu
 NC R01 AR52425 (NIAMS)
 SO The Journal of biological chemistry, (2007 Feb 16) Vol. 282, No. 7, pp. 4983-93. Electronic Publication: 2006-12-19.
 Journal code: 2985121R. ISSN: 0021-9258.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 (RESEARCH SUPPORT, N.I.H., EXTRAMURAL)
 (RESEARCH SUPPORT, NON-U.S. GOV'T)
 (RESEARCH SUPPORT, U.S. GOV'T, NON-P.H.S.)
 LA English
 FS Priority Journals
 EM 200703
 ED Entered STN: 13 Feb 2007
 Last Updated on STN: 27 Mar 2007
 Entered Medline: 26 Mar 2007

L14 ANSWER 2 OF 66 MEDLINE on STN

Full Text

AN 2006704725 MEDLINE
 DN PubMed ID: 17142950
 TI Simvastatin did not prevent nor restore ovariectomy-induced bone loss in adult rats.
 AU Yao W; Farmer R; Cooper R; Chmielewski P A; Tian X Y; Setterberg R B; Jee W S S; Lundy M W
 CS Radiobiology Division, University of Utah, Salt Lake City, UT 84108-1218, USA.
 SO Journal of musculoskeletal & neuronal interactions, (2006 Jul-Sep) Vol. 6, No. 3, pp. 277-83.
 Journal code: 101084496. ISSN: 1108-7161.
 CY Greece
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200701
 ED Entered STN: 5 Dec 2006
 Last Updated on STN: 18 Jan 2007
 Entered Medline: 17 Jan 2007

L14 ANSWER 3 OF 66 MEDLINE on STN

Full Text

AN 2006695220 . MEDLINE
DN PubMed ID: 17132207
TI Distribution of lovastatin to bone and its effect on bone turnover in rats.
AU Jadhav Satyawan B; Narayana Murthy P S; Singh M M; Jain G K
CS Division of Pharmacokinetics & Metabolism, Central Drug Research Institute, Lucknow, India.
SO The Journal of pharmacy and pharmacology, (2006 Nov) Vol. 58, No. 11, pp. 1451-8.
Journal code: 0376363. ISSN: 0022-3573.
CY England: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
LA English
FS Priority Journals
EM 200705
ED Entered STN: 30 Nov 2006
Last Updated on STN: 17 May 2007
Entered Medline: 16 May 2007

L14 ANSWER 4 OF 66 MEDLINE on STN

Full Text

AN 2006483014 MEDLINE
DN PubMed ID: 16909050
TI Statins, fracture risk, and bone remodeling: What is true?.
AU Rizzo Manfredi; Rini Giovam Battista
CS Department of Clinical Medicine and Emerging Diseases, University of Palermo, Palermo, Italy.. mrizzo@unipa.it
SO The American journal of the medical sciences, (2006 Aug) Vol. 332, No. 2, pp. 55-60. Ref: 71
Journal code: 0370506. ISSN: 0002-9629.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
LA English
FS Abridged Index Medicus Journals; Priority Journals
EM 200610
ED Entered STN: 17 Aug 2006
Last Updated on STN: 13 Oct 2006
Entered Medline: 12 Oct 2006

L14 ANSWER 5 OF 66 MEDLINE on STN

Full Text

AN 2006447922 MEDLINE
DN PubMed ID: 16825044
TI The use of simvastatin in rabbit posterolateral lumbar intertransverse process spine fusion.
AU Yee Albert Juang Ming; Bae Hyun W; Friess Darin; Roth Sandie M; Whyne Cari; Robbin Mark; Johnstone Brian; Yoo Jung U
CS Spine Institute, University Hospitals of Cleveland and Department of Orthopaedic Surgery, Case Western Reserve University, 11100 Euclid Avenue, Cleveland, OH 44106, USA.. Albert.Yee@sw.ca
SO The spine journal : official journal of the North American Spine Society, (2006 Jul-Aug) Vol. 6, No. 4, pp. 391-6.
Journal code: 101130732. ISSN: 1529-9430.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200611
ED Entered STN: 29 Jul 2006
Last Updated on STN: 15 Nov 2006
Entered Medline: 14 Nov 2006

L14 ANSWER 6 OF 66 MEDLINE on STN

Full Text

AN 2006422997 MEDLINE
DN PubMed ID: 16845222
TI Influence of fluvastatin on bone formation induced by demineralized bone matrix in mice.

AU Galus Ryszard; Wlodarski Pawel; Wlodarski Krzysztof
 CS Chair and Department of Histology and Embryology, Center for Biostructure Research, Medical University in Warsaw, Chalubinskiego 5, PL 02-004 Warsaw, Poland.
 SO Pharmacological reports : PR, (2006 May-Jun) Vol. 58, No. 3, pp. 443-7. Journal code: 101234999. ISSN: 1734-1140.
 CY Poland
 DT Journal; Article; (JOURNAL ARTICLE)
 (RESEARCH SUPPORT, NON-U.S. GOV'T)
 LA English
 FS Priority Journals
 EM 200612
 ED Entered STN: 18 Jul 2006
 Last Updated on STN: 29 Dec 2006
 Entered Medline: 28 Dec 2006

L14 ANSWER 7 OF 66 MEDLINE on STN
Full Text
 AN 2006398187 MEDLINE
 DN PubMed ID: 16817619
 TI Comparison between mevinolin and PTH action on MG63 osteoblast-like cells.
 AU Belcher Joyce; Benghuzzi Ham; Franklin Laura; Cameron Joseph; Tucci Michelle
 CS Jackson State University, Jackson, MS 39216, USA.
 NC R25 GM067592-02 (NIGMS)
 SO Biomedical sciences instrumentation, (2006) Vol. 42, pp. 267-72. Journal code: 0140524. ISSN: 0067-8856.
 CY United States
 DT (COMPARATIVE STUDY)
 Journal; Article; (JOURNAL ARTICLE)
 (RESEARCH SUPPORT, N.I.H., EXTRAMURAL)
 LA English
 FS Priority Journals
 EM 200607
 ED Entered STN: 5 Jul 2006
 Last Updated on STN: 28 Jul 2006
 Entered Medline: 27 Jul 2006

L14 ANSWER 8 OF 66 MEDLINE on STN
Full Text
 AN 2006398165 MEDLINE
 DN PubMed ID: 16817597
 TI Effects of sustained release of statin by means of tricalcium phosphate lysine delivery system in defect and segmental femoral injuries on certain biochemical markers in vivo.
 AU Adah Felix; Benghuzzi Hamed; Tucci Michelle; Russell George; England Barry
 CS University of Mississippi Medical Center, Jackson, MS, USA.
 SO Biomedical sciences instrumentation, (2006) Vol. 42, pp. 126-35. Journal code: 0140524. ISSN: 0067-8856.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200607
 ED Entered STN: 5 Jul 2006
 Last Updated on STN: 28 Jul 2006
 Entered Medline: 27 Jul 2006

L14 ANSWER 9 OF 66 MEDLINE on STN
Full Text
 AN 2006374006 MEDLINE
 DN PubMed ID: 16789495
 TI [Prevention and treatment of osteoporosis].
 Zapobieganie i leczenie osteoporozy.
 AU Galus Krzysztof
 CS Zaklad Geriatrii Klinicznej AM w Warszawie.. kgalus@amwaw.edu.pl
 SO Polskie archiwum medycyny wewn trznej, (2005 Dec) Vol. 114, No. 6, pp. 1236-43. Ref: 50
 Journal code: 0401225. ISSN: 0032-3772.
 CY Poland
 DT Journal; Article; (JOURNAL ARTICLE)
 General Review; (REVIEW)

LA Polish
FS Priority Journals
EM 200609
ED Entered STN: 23 Jun 2006
Last Updated on STN: 13 Sep 2006
Entered Medline: 12 Sep 2006

L14 ANSWER 10 OF 66 MEDLINE on STN

Full Text

AN 2006038305 MEDLINE
DN PubMed ID: 16425974
TI Comparison of the effects of D-003, a mixture of high-molecular-weight aliphatic acids from sugarcane wax, and pravastatin on bones and osteoclast apoptosis of ovariectomized rats.
AU Mendoza S; Noa M; Mas R; Mendoza N
CS Center for Natural Products, National Center for Scientific Research, Havana City, Cuba.. clinica@enet.cu
SO Drugs under experimental and clinical research, (2005) Vol. 31, No. 5-6, pp. 181-91.
Journal code: 7802135. ISSN: 0378-6501.
CY Switzerland
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200603
ED Entered STN: 24 Jan 2006
Last Updated on STN: 28 Mar 2006
Entered Medline: 27 Mar 2006

L14 ANSWER 11 OF 66 MEDLINE on STN

Full Text

AN 2006018591 MEDLINE
DN PubMed ID: 16397916
TI Effects of garlic oil on postmenopausal **osteoporosis** using ovariectomized rats: comparison with the effects of lovastatin and 17beta-estradiol.
AU Mukherjee M; Das A S; Das D; Mukherjee S; Mitra S; Mitra C
CS Department of Physiology, Presidency College, Kolkata-700073, India.
SO Phytotherapy research : PTR, (2006 Jan) Vol. 20, No. 1; pp. 21-7.
Journal code: 8904486. ISSN: 0951-418X.
CY England: United Kingdom
DT (COMPARATIVE STUDY)
Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
LA English
FS Priority Journals
EM 200609
ED Entered STN: 12 Jan 2006
Last Updated on STN: 21 Sep 2006
Entered Medline: 20 Sep 2006

L14 ANSWER 12 OF 66 MEDLINE on STN

Full Text

AN 2006008613 MEDLINE
DN PubMed ID: 16393459
TI Statins and **osteoporosis**: new role for old drugs.
AU Jadhav Satyawan B; Jain Girish Kumar
CS Pharmacokinetics and Metabolism Division, Central Drug Research Institute, P.O. Box 173, Chattar Manzil Palace, Mahatma Gandhi Marg, Lucknow-226 001, India.
SO The Journal of pharmacy and pharmacology, (2006 Jan) Vol. 58, No. 1, pp. 3-18. Ref: 137
Journal code: 0376363. ISSN: 0022-3573.
CY England: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
LA English
FS Priority Journals
EM 200603
ED Entered STN: 6 Jan 2006
Last Updated on STN: 3 Mar 2006
Entered Medline: 2 Mar 2006

L14 ANSWER 13 OF 66 MEDLINE on STN

Full Text

AN 2005690880 MEDLINE
DN PubMed ID: 16274305
TI Local simvastatin effects on mandibular **bone growth** and inflammation.
AU Stein David; Lee Yeonju; Schmid Marian J; Killpack Byron; Genrich Mikala A; Narayana Nagamani; Marx David B; Cullen Diane M; Reinhardt Richard A
CS Department of Surgical Specialties, College of Dentistry, University of Nebraska Medical Center, Lincoln, NE 68583-0740, USA.
NC DE15096 (NIDCR)
R15 DE015096-01A1 (NIDCR)
SO Journal of periodontology, (2005 Nov) Vol. 76, No. 11, pp. 1861-70.
Journal code: 8000345. ISSN: 0022-3492.
CY United States
DT (COMPARATIVE STUDY)
Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, N.I.H., EXTRAMURAL)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
LA English
FS Dental Journals; Priority Journals
EM 200602
ED Entered STN: 29 Dec 2005
Last Updated on STN: 8 Feb 2006
Entered Medline: 7 Feb 2006

L14 ANSWER 14 OF 66 MEDLINE on STN

Full Text

AN 2005644204 MEDLINE
DN PubMed ID: 15742122
TI Effects of simvastatin on bone mineral density and remodeling parameters in postmenopausal **osteopenic** subjects: 1-year follow-up study.
AU Tikiz Canan; Tikiz Hakan; Taneli Fatma; Gumuser Gul; Tuzun Cigdem
CS Department of Physical Medicine and Rehabilitation, Faculty of Medicine, University of Celal Bayar, Manisa, Turkey.. canan.tikiz@bayar.edu.tr
SO Clinical rheumatology, (2005 Sep) Vol. 24, No. 5, pp. 447-52. Electronic Publication: 2005-03-02.
Journal code: 8211469. ISSN: 0770-3198.
CY Belgium
DT (CLINICAL TRIAL)
Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200602
ED Entered STN: 6 Dec 2005
Last Updated on STN: 17 Feb 2006
Entered Medline: 16 Feb 2006

L14 ANSWER 15 OF 66 MEDLINE on STN

Full Text

AN 2005598805 MEDLINE
DN PubMed ID: 16278780
TI Statins modulate the levels of **osteoprotegerin**/receptor activator of NFkappaB ligand mRNA in mouse bone-cell cultures.
AU Kaji H; Kanatani M; Sugimoto T; Chihara K
CS Division of Endocrinology/Metabolism, Neurology and Hematology/Oncology, Department of Clinical Molecular Medicine, Kobe University Graduate School of Medicine, Kobe 650-0017, Japan.. hiroshik@med.kobe-u.ac.jp
SO Hormone and metabolic research. Hormon- und Stoffwechselforschung. Hormones et metabolisme, (2005 Oct) Vol. 37, No. 10, pp. 589-92.
Journal code: 0177722. ISSN: 0018-5043.
CY Germany: Germany, Federal Republic of
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200601
ED Entered STN: 10 Nov 2005
Last Updated on STN: 14 Jan 2006
Entered Medline: 13 Jan 2006

L14 ANSWER 16 OF 66 MEDLINE on STN

Full Text

AN 2005326365 MEDLINE
 DN PubMed ID: 15974856
 TI Simvastatin promotes cell metabolism, proliferation, and osteoblastic differentiation in human periodontal ligament cells.
 AU Yazawa Hiroshi; Zimmermann Bernd; Asami Yoshiko; Bernimoulin Jean-Pierre
 CS Department of Periodontology, Faculty of Dentistry, Campus Virchow Klinikum, Charite, University Medical School, Berlin, Germany..
yazawa.peri@tmd.ac.jp
 SO Journal of periodontology, (2005 Feb) Vol. 76, No. 2, pp. 295-302.
 Journal code: 8000345. ISSN: 0022-3492.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 (RESEARCH SUPPORT, NON-U.S. GOV'T)
 LA English
 FS Dental Journals; Priority Journals
 EM 200507
 ED Entered STN: 25 Jun 2005
 Last Updated on STN: 13 Jul 2005
 Entered Medline: 12 Jul 2005

L14 ANSWER 17 OF 66 MEDLINE on STN
Full Text
 AN 2005317368 MEDLINE
 DN PubMed ID: 15940041
 TI Combined effects of losartan and pravastatin on interstitial inflammation and fibrosis in chronic cyclosporine-induced nephropathy.
 AU Li Can; Sun Bo Kyung; Lim Sun Woo; Song Joon Chang; Kang Shin-Wook; Kim Yu Seun; Kang Duk Hee; Cha Jung Ho; Kim Jin; Yang Chul Woo
 CS Department of Internal Medicine, KangNam St. Mary's Hospital, The Catholic University of Korea, Seoul 137-040, Korea.
 SO Transplantation, (2005 Jun 15) Vol. 79, No. 11, pp. 1522-9.
 Journal code: 0132144. ISSN: 0041-1337.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 (RESEARCH SUPPORT, NON-U.S. GOV'T)
 LA English
 FS Priority Journals
 EM 200507
 ED Entered STN: 22 Jun 2005
 Last Updated on STN: 29 Jul 2005
 Entered Medline: 28 Jul 2005

L14 ANSWER 18 OF 66 MEDLINE on STN
Full Text
 AN 2005302726 MEDLINE
 DN PubMed ID: 15869791
 TI Promotion of bone formation by simvastatin in polyethylene particle-induced osteolysis.
 AU von Knoch Fabian; Wedemeyer Christian; Heckelei Anja; Saxler Guido; Hilken Gero; Brankamp Jochen; Sterner Thomas; Landgraeber Stefan; Henschke Frank; Loer Franz; von Knoch Marius
 CS Department of Orthopaedic Surgery, Kantonsspital Chur, Loestrasse 170, 7000 Chur, Switzerland.. fabianvonknoch@yahoo.com
 SO Biomaterials, (2005 Oct) Vol. 26, No. 29, pp. 5783-9.
 Journal code: 8100316. ISSN: 0142-9612.
 CY England; United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 (RESEARCH SUPPORT, NON-U.S. GOV'T)
 LA English
 FS Priority Journals
 EM 200509
 ED Entered STN: 14 Jun 2005
 Last Updated on STN: 17 Sep 2005
 Entered Medline: 16 Sep 2005

L14 ANSWER 19 OF 66 MEDLINE on STN
Full Text
 AN 2005152298 MEDLINE
 DN PubMed ID: 15785436
 TI Statins and osteoporosis: myth or reality?.
 AU Rizzo M; Di Fede G; Mansueto P; Castello F; Carmina E; Rini G B
 CS Department of Clinical Medicine and Emerging Diseases, University of

Palermo, Palermo, Italy.
SO Minerva medica, (2004 Dec) Vol. 95, No. 6, pp. 521-7. Ref: 63
Journal code: 0400732. ISSN: 0026-4806.
CY Italy
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
LA English
FS Priority Journals
EM 200505
ED Entered STN: 24 Mar 2005
Last Updated on STN: 20 May 2005
Entered Medline: 19 May 2005

L14 ANSWER 20 OF 66 MEDLINE on STN
Full Text
AN 2005136323 MEDLINE
DN PubMed ID: 15767237
TI Statins and **osteoporosis**: a clinical review.
AU Gonyeau Michael J
CS Department of Pharmacy Practice, School of Pharmacy, Northeastern
University, Boston, Massachusetts 02115, USA.. m.gonyeau@neu.edu
SO Pharmacotherapy, (2005 Feb) Vol. 25, No. 2, pp. 228-43. Ref: 66
Journal code: 8111305. ISSN: 0277-0008.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
LA English
FS Priority Journals
EM 200505
ED Entered STN: 16 Mar 2005
Last Updated on STN: 18 May 2005
Entered Medline: 17 May 2005

L14 ANSWER 21 OF 66 MEDLINE on STN
Full Text
AN 2005099798 MEDLINE
DN PubMed ID: 15730048
TI No effect of fluvastatin on the bone mineral density of children with
minimal change glomerulonephritis and some focal mesangial cell
proliferation, other than an ameliorating effect on their proteinuria.
AU Kano K; Nishikura K; Yamada Y; Arisaka O
CS Department of Pediatrics, Dokkyo University School of Medicine, Tochigi,
Japan.. k-kano@dokkyomed.ac.jp
SO Clinical nephrology, (2005 Feb) Vol. 63, No. 2, pp. 74-9.
Journal code: 0364441. ISSN: 0301-0430.
CY Germany: Germany, Federal Republic of
DT (CLINICAL TRIAL)
Journal; Article; (JOURNAL ARTICLE)
(RANDOMIZED CONTROLLED TRIAL)
LA English
FS Priority Journals
EM 200505
ED Entered STN: 1 Mar 2005
Last Updated on STN: 25 May 2005
Entered Medline: 24 May 2005

L14 ANSWER 22 OF 66 MEDLINE on STN
Full Text
AN 2005054496 MEDLINE
DN PubMed ID: 15682577
TI A new approach to the treatment of **osteoporosis**.
AU Erdemli Bulent; Serin-Kilicoglu Sibel; Erdemli Esra
CS Department of Orthopedics, Ankara University, Faculty of Medicine, Ankara,
Turkey.
SO Orthopedics, (2005 Jan) Vol. 28, No. 1, pp. 59-62.
Journal code: 7806107. ISSN: 0147-7447.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200504
ED Entered STN: 2 Feb 2005

Last Updated on STN: 12 Apr 2005
Entered Medline: 11 Apr 2005

L14 ANSWER 23 OF 66 MEDLINE on STN

Full Text

AN 2004611069 MEDLINE
DN PubMed ID: 15584561
TI Statins: much more than just a lipid-lowering therapy.
AU Raja Shahzad G; Dreyfus Gilles D
CS Alder Hey Hospital, Liverpool and Harefield Hospital, Middlesex, United Kingdom.. drrajashahzad@hotmail.com
SO Indian heart journal, (2004 May-Jun) Vol. 56, No. 3, pp. 204-9. Ref: 40
Journal code: 0374675. ISSN: 0019-4832.
CY India
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
LA English
FS Priority Journals
EM 200502
ED Entered STN: 9 Dec 2004
Last Updated on STN: 11 Feb 2005
Entered Medline: 10 Feb 2005

L14 ANSWER 24 OF 66 MEDLINE on STN

Full Text

AN 2004321164 MEDLINE
DN PubMed ID: 15222226
TI Application of solubilizing properties of the products of oxyethylenated fatty alcohols of the Brij type in relation to simvastatin.
AU Ginter Pawel Marek; Zgoda Marian Mikolaj
CS Institute Technology and Chemistry Pharmaceutical, Department of Dispensing Pharmacy, Medical University of Lodz.
SO Polimery w medycynie, (2004) Vol. 34, No. 1, pp. 39-48.
Journal code: 7509477. ISSN: 0370-0747.
CY Poland
DT Journal; Article; (JOURNAL ARTICLE)
LA English; Polish
FS Priority Journals
EM 200407
ED Entered STN: 30 Jun 2004
Last Updated on STN: 21 Jul 2004
Entered Medline: 20 Jul 2004

L14 ANSWER 25 OF 66 MEDLINE on STN

Full Text

AN 2004319082 MEDLINE
DN PubMed ID: 15221496
TI The effect of simvastatin on serum cytokine levels and bone metabolism in postmenopausal subjects: negative correlation between TNF-alpha and anabolic bone parameters.
AU Tikiz Canan; Unlu Zeliha; Tikiz Hakan; Ay Kamuran; Angin Aclan; Onur Ece; Var Ahmet; Tuzun Cigdem
CS Department of Physical Medicine and Rehabilitation, University of Celal Bayar, Manisa, Turkey.. canan.tikiz@bayar.edu.tr
SO Journal of bone and mineral metabolism, (2004) Vol. 22, No. 4, pp. 365-71.
Journal code: 9436705. ISSN: 0914-8779.
CY Japan
DT (CLINICAL TRIAL)
Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200409
ED Entered STN: 29 Jun 2004
Last Updated on STN: 16 Sep 2004
Entered Medline: 15 Sep 2004

L14 ANSWER 26 OF 66 MEDLINE on STN

Full Text

AN 2004265502 MEDLINE
DN PubMed ID: 15164322
TI Simvastatin increases bone mineral density in hypercholesterolemic postmenopausal women.

AU Lupattelli Graziana; Scarponi Anna Maria; Vaudo Gaetano; Siepi Donatella; Roscini Anna Rita; Gemelli Fabio; Pirro Matteo; Latini Roberto A; Sinzinger Helmut; Marchesi Simona; Mannarino Elmo

CS Internal Medicine, Angiology and Atherosclerosis, Department of Clinical and Experimental Medicine, University of, Perugia, Italy.

SO Metabolism: clinical and experimental, (2004 Jun) Vol. 53, No. 6, pp. 744-8.
Journal code: 0375267. ISSN: 0026-0495.

CY United States

DT (CLINICAL TRIAL)
(CONTROLLED CLINICAL TRIAL)
Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 200407

ED Entered STN: 28 May 2004
Last Updated on STN: 28 Jul 2004
Entered Medline: 27 Jul 2004

L14 ANSWER 27 OF 66 MEDLINE on STN

Full Text

AN 2004174844 MEDLINE

DN PubMed ID: 15068496

TI Effects of simvastatin on bone turnover and BMD: a 1-year randomized controlled trial in postmenopausal **osteopenic** women.

AU Rejnmark Lars; Buus Niels Henrik; Vestergaard Peter; Heickendorff Lene; Andreasen Frederik; Larsen Mogens Lytken; Mosekilde Leif

CS Department of Endocrinology and Metabolism C, Aarhus Amtssygehus, Aarhus University Hospital, Aarhus, Denmark.. rejnmark@post6.tele.dk

SO Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research, (2004 May) Vol. 19, No. 5, pp. 737-44. Electronic Publication: 2004-02-16.
Journal code: 8610640. ISSN: 0884-0431.

CY United States

DT (CLINICAL TRIAL)
Journal; Article; (JOURNAL ARTICLE)
(RANDOMIZED CONTROLLED TRIAL)
(RESEARCH SUPPORT, NON-U.S. GOV'T)

LA English

FS Priority Journals

EM 200408

ED Entered STN: 8 Apr 2004
Last Updated on STN: 4 Aug 2004
Entered Medline: 3 Aug 2004

L14 ANSWER 28 OF 66 MEDLINE on STN

Full Text

AN 2004065055 MEDLINE

DN PubMed ID: 14670931

TI High glucose-induced upregulation of **osteopontin** is mediated via Rho/Rho kinase pathway in cultured rat aortic smooth muscle cells.

AU Kawamura Harukiyo; Yokote Koutaro; Asaumi Sunao; Kobayashi Kazuki; Fujimoto Masaki; Maezawa Yoshiro; Saito Yasushi; Mori Seiji

CS Department of Clinical Cell Biology and Medicine, Chiba University Graduate School of Medicine, 1-8-1 Inohana, Chiba 260-8670, Japan.

SO Arteriosclerosis, thrombosis, and vascular biology, (2004 Feb) Vol. 24, No. 2, pp. 276-81. Electronic Publication: 2003-12-11.
Journal code: 9505803. E-ISSN: 1524-4636.

CY United States

DT Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, NON-U.S. GOV'T)

LA English

FS Priority Journals

EM 200404

ED Entered STN: 10 Feb 2004
Last Updated on STN: 16 Apr 2004
Entered Medline: 15 Apr 2004

L14 ANSWER 29 OF 66 MEDLINE on STN

Full Text

AN 2004053670 MEDLINE

DN PubMed ID: 14612457

TI Role of cholesterol in the regulation of growth plate chondrogenesis and longitudinal bone growth.
 AU Wu Shufang; De Luca Francesco
 CS Section of Endocrinology and Diabetes, St. Christopher's Hospital for Children, Department of Pediatrics, Drexel University College of Medicine, Philadelphia, Pennsylvania 19134, USA.
 SO The Journal of biological chemistry, (2004 Feb 6) Vol. 279, No. 6, pp. 4642-7. Electronic Publication: 2003-11-11.
 Journal code: 2985121R. ISSN: 0021-9258.
 CY United States
 DT (IN VITRO)
 Journal; Article; (JOURNAL ARTICLE)
 (RESEARCH SUPPORT, NON-U.S. GOV'T)
 LA English
 FS Priority Journals
 EM 200404
 ED Entered STN: 3 Feb 2004
 Last Updated on STN: 2 Apr 2004
 Entered Medline: 1 Apr 2004

L14 ANSWER 30 OF 66 MEDLINE on STN
Full Text
 AN 2003576257 MEDLINE
 DN PubMed ID: 14519596
 TI Pravastatin treatment attenuates interstitial inflammation and fibrosis in a rat model of chronic cyclosporine-induced nephropathy.
 AU Li Can; Yang Chul Woo; Park Joo Hyun; Lim Sun Woo; Sun Bo Kyung; Jung Ju Young; Kim Soon Bae; Kim Yong Soo; Kim Jin; Bang Byung Kee
 CS Department of Internal Medicine, Cell Death Disease Research Center, The Catholic University of Korea, 505 BanPo-Dong, SeoCho-Ku, Seoul 137-040, Korea.
 SO American journal of physiology. Renal physiology, (2004 Jan) Vol. 286, No. 1, pp. F46-57. Electronic Publication: 2003-09-30.
 Journal code: 100901990. ISSN: 0363-6127.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 (RESEARCH SUPPORT, NON-U.S. GOV'T)
 LA English
 FS Priority Journals
 EM 200402
 ED Entered STN: 16 Dec 2003
 Last Updated on STN: 11 Feb 2004
 Entered Medline: 10 Feb 2004

L14 ANSWER 31 OF 66 MEDLINE on STN
Full Text
 AN 2003562564 MEDLINE
 DN PubMed ID: 14650474
 TI The Heart Protection Study: high-risk patients benefit from statins, regardless of LDL-C level.
 AU Gurm Hitinder S; Hoogwerf Byron
 CS Department of Cardiovascular Medicine, The Cleveland Clinic Foundation, OH 44195, USA.
 SO Cleveland Clinic journal of medicine, (2003 Nov) Vol. 70, No. 11, pp. 991-7.
 Journal code: 8703441. ISSN: 0891-1150.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200312
 ED Entered STN: 16 Dec 2003
 Last Updated on STN: 24 Dec 2003
 Entered Medline: 23 Dec 2003

L14 ANSWER 32 OF 66 MEDLINE on STN
Full Text
 AN 2003477045 MEDLINE
 DN PubMed ID: 14555271
 TI Lovastatin inhibits adipogenic and stimulates osteogenic differentiation by suppressing PPARGgamma2 and increasing Cbfa1/Runx2 expression in bone marrow mesenchymal cell cultures.

AU Li Xudong; Cui Quanjun; Kao Chinghai; Wang Gwo Jaw; Balian Gary
 CS Department of Orthopaedic Surgery, University of Virginia, School of
 Medicine, Charlottesville, VA 22908, USA.. xl2n@virginia.edu
 SO Bone, (2003 Oct) Vol. 33, No. 4, pp. 652-9.
 Journal code: 8504048. ISSN: 8756-3282.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200407
 ED Entered STN: 15 Oct 2003
 Last Updated on STN: 7 Jul 2004
 Entered Medline: 6 Jul 2004

L14 ANSWER 33 OF 66 MEDLINE on STN
Full Text
 AN 2003444239 MEDLINE
 DN PubMed ID: 14503978
 TI Combination of statins and hormone replacement therapy in postmenopausal
 women is associated with increased bone mineral density.
 AU De Leo V; Morgante G; la Marca A; Lanzetta D; Cobellis L; Petraglia F
 CS Department of Pediatrics, Obstetrics and Reproductive Medicine, Institute
 of Obstetrics and Gynecology, University of Siena, Policlinico Le Scotte,
 Viale Bracci 6, 53100 Siena, Italy.
 SO Gynecological endocrinology : the official journal of the International
 Society of Gynecological Endocrinology, (2003 Aug) Vol. 17, No. 4, pp.
 329-32.
 Journal code: 8807913. ISSN: 0951-3590.
 CY England: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200405
 ED Entered STN: 24 Sep 2003
 Last Updated on STN: 10 May 2004
 Entered Medline: 6 May 2004

L14 ANSWER 34 OF 66 MEDLINE on STN
Full Text
 AN 2003379045 MEDLINE
 DN PubMed ID: 12914771
 TI Simvastatin induces osteoblastic differentiation and inhibits adipocytic
 differentiation in mouse bone marrow stromal cells.
 AU Song Chunli; Guo Zhaoqing; Ma Qingjun; Chen Zhongqiang; Liu Zhongjun; Jia
 Hongti; Dang Gengting
 CS Department of Orthopedics, Peking University Third Hospital, Beijing, PR
 China.
 SO Biochemical and biophysical research communications, (2003 Aug 29) Vol.
 308, No. 3, pp. 458-62.
 Journal code: 0372516. ISSN: 0006-291X.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200309
 ED Entered STN: 14 Aug 2003
 Last Updated on STN: 28 Sep 2003
 Entered Medline: 26 Sep 2003

L14 ANSWER 35 OF 66 MEDLINE on STN
Full Text
 AN 2003326934 MEDLINE
 DN PubMed ID: 12856828
 TI Effects of simvastatin on the development of osteopenia caused by
 ovariectomy in rats.
 AU Pytlik Maria; Janiec Waldemar; Misiarz-Myrta Malgorzata; Gubala Iwona
 CS Department of Pharmacology, Silesian Medical University, Jagiellonska 4, PL
 41-200 Sosnowiec, Poland.
 SO Polish journal of pharmacology, (2003 Jan-Feb) Vol. 55, No. 1, pp. 63-71.
 Journal code: 9313882. ISSN: 1230-6002.
 CY Poland
 DT (COMPARATIVE STUDY)

Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200402
ED Entered STN: 15 Jul 2003
Last Updated on STN: 2 Mar 2004
Entered Medline: 27 Feb 2004

L14 ANSWER 36 OF 66 MEDLINE on STN

Full Text

AN 2003317544 MEDLINE
DN PubMed ID: 12718758
TI Does simvastatin stimulate bone formation in vivo?.
AU von Stechow Dietrich; Fish Susan; Yahalom Dror; Bab Itai; Chorev Michael;
Muller Ralph; Alexander Joseph M
CS Orthopedic Biomechanics Laboratory, Beth Israel Deaconess Medical Center
and Harvard Medical School, Boston, MA, USA..
dvonstec@caregroup.harvard.edu
SO BMC musculoskeletal disorders, (2003 Apr 28) Vol. 4, pp. 8. Electronic
Publication: 2003-04-28.
Journal code: 100968565. E-ISSN: 1471-2474.
CY England: United Kingdom
DT (COMPARATIVE STUDY)
Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
LA English
FS Priority Journals
EM 200307
ED Entered STN: 9 Jul 2003
Last Updated on STN: 26 Jul 2003
Entered Medline: 25 Jul 2003

L14 ANSWER 37 OF 66 MEDLINE on STN

Full Text

AN 2003170848 MEDLINE
DN PubMed ID: 12689687
TI Effect of simvastatin treatment on bone mineral density and bone turnover
in hypercholesterolemic postmenopausal women: a 1-year longitudinal study.
AU Montagnani A; Gonnelli S; Cepollaro C; Pacini S; Campagna M S; Franci M B;
Lucani B; Gennari C
CS Department of Internal Medicine, University of Siena, Italy..
amontagnani@unisi.it
SO Bone, (2003 Apr) Vol. 32, No. 4, pp. 427-33.
Journal code: 8504048. ISSN: 8756-3282.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200312
ED Entered STN: 16 Apr 2003
Last Updated on STN: 17 Dec 2003
Entered Medline: 11 Dec 2003

L14 ANSWER 38 OF 66 MEDLINE on STN

Full Text

AN 2002656087 MEDLINE
DN PubMed ID: 12416771
TI Effects of simvastatin gels on murine calvarial bone.
AU Thylin Michael R; McConnell Jay C; Schmid Marian J; Reckling Ryon R; Ojha
Junu; Bhattacharyya Indraneel; Marx David B; Reinhardt Richard A
CS Department of Surgical Specialties, University of Nebraska Medical Center,
College of Dentistry, Lincoln 68583-0757, USA.
SO Journal of periodontology, (2002 Oct) Vol. 73, No. 10, pp. 1141-8.
Journal code: 8000345. ISSN: 0022-3492.
CY United States
DT (COMPARATIVE STUDY)
Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
LA English
FS Dental Journals; Priority Journals
EM 200301
ED Entered STN: 6 Nov 2002

Last Updated on STN: 15 Jan 2003
Entered Medline: 14 Jan 2003

L14 ANSWER 39 OF 66 MEDLINE on STN

Full Text

AN 2002651550 MEDLINE
DN PubMed ID: 12412808
TI Simvastatin improves fracture healing in mice.
AU Skoglund Bjorn; Forslund Carina; Aspenberg Per
CS Department of Neuroscience and Locomotion, Faculty of Health Sciences,
Linköping, Sweden.
SO Journal of bone and mineral research : the official journal of the
American Society for Bone and Mineral Research, (2002 Nov) Vol. 17, No.
11, pp. 2004-8.
Journal code: 8610640. ISSN: 0884-0431.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
LA English
FS Priority Journals
EM 200304
ED Entered STN: 5 Nov 2002
Last Updated on STN: 25 Apr 2003
Entered Medline: 24 Apr 2003

L14 ANSWER 40 OF 66 MEDLINE on STN

Full Text

AN 2002651549 MEDLINE
DN PubMed ID: 12412807
TI Role of the cholesterol biosynthetic pathway in osteoblastic
differentiation of marrow stromal cells.
AU Parhami Farhad; Mody Nilam; Gharavi Nima; Ballard Alex J; Tintut Yin;
Demer Linda L
CS Department of Medicine, University of California at Los Angeles, 90095,
USA.
NC HL30568 (NHLBI)
IP60-AG10415 (NIA)
SO Journal of bone and mineral research : the official journal of the
American Society for Bone and Mineral Research, (2002 Nov) Vol. 17, No.
11, pp. 1997-2003.
Journal code: 8610640. ISSN: 0884-0431.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
(RESEARCH SUPPORT, U.S. GOV'T, P.H.S.)
LA English
FS Priority Journals
EM 200304
ED Entered STN: 5 Nov 2002
Last Updated on STN: 25 Apr 2003
Entered Medline: 24 Apr 2003

L14 ANSWER 41 OF 66 MEDLINE on STN

Full Text

AN 2002434357 MEDLINE
DN PubMed ID: 12190958
TI Statins decrease bone turnover in postmenopausal women: a cross-sectional
study.
AU Rejnmark L; Buus N H; Vestergaard P; Andreasen F; Larsen M L; Mosekilde L
CS Department of Endocrinology and Metabolism C, Aarhus Amtssygehus, Aarhus
University Hospital, Aarhus University, Aarhus, Denmark..
rejnmark@post6.tele.dk
SO European journal of clinical investigation, (2002 Aug) Vol. 32, No. 8, pp.
581-9.
Journal code: 0245331. ISSN: 0014-2972.
CY England: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
LA English
FS Priority Journals
EM 200301
ED Entered STN: 23 Aug 2002

Last Updated on STN: 23 Jan 2003
Entered Medline: 22 Jan 2003

L14 ANSWER 42 OF 66 MEDLINE on STN

Full Text

AN 2002419923 MEDLINE
DN PubMed ID: 12174823
TI Lovastatin increases longitudinal **bone growth** and bone morphogenetic protein-2 levels in the growth plate of Sprague-Dawley rats.
AU Leem Kanghyun; Park Sun-Young; Lee Dong-Hwan; Kim Hocheol
CS Department of Herbal Pharmacology, College of Pharmacy, Woosuk University, Chonbuk, South Korea.
SO European journal of pediatrics, (2002 Jul) Vol. 161, No. 7, pp. 406-7.
Journal code: 7603873. ISSN: 0340-6199.
CY Germany: Germany, Federal Republic of
DT Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
LA English
FS Priority Journals
EM 200210
ED Entered STN: 15 Aug 2002
Last Updated on STN: 8 Oct 2002
Entered Medline: 4 Oct 2002

L14 ANSWER 43 OF 66 MEDLINE on STN

Full Text

AN 2002303419 MEDLINE
DN PubMed ID: 12044587
TI The choice of hormone replacement therapy or statin therapy in the treatment of hyperlipidemic postmenopausal women.
AU Seed Mary
CS Department of Cardiovascular Medicine, National Heart and Lung Institute, Imperial College School of Medicine, Charing Cross Hospital Campus, London, UK.. m.seed@ic.ac.uk
SO Atherosclerosis. Supplements, (2002 May) Vol. 3, No. 1, pp. 53-63. Ref: 89
Journal code: 100973461. ISSN: 1567-5688.
CY Netherlands
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
LA English
FS Priority Journals
EM 200212
ED Entered STN: 5 Jun 2002
Last Updated on STN: 17 Dec 2002
Entered Medline: 4 Dec 2002

L14 ANSWER 44 OF 66 MEDLINE on STN

Full Text

AN 2002242358 MEDLINE
DN PubMed ID: 11979970
TI Stimulation of bone formation by anti-hyperlipidemic agent statins and its mechanism of action.
AU Yoneda Toshiyuki
CS Department of Biochemistry, Osaka University Graduate School of Dentistry.
SO Nippon rinsho. Japanese journal of clinical medicine, (2002 Mar) Vol. 60 Suppl 3, pp. 688-95. Ref: 11
Journal code: 0420546. ISSN: 0047-1852.
CY Japan
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
LA Japanese
FS Priority Journals
EM 200206
ED Entered STN: 1 May 2002
Last Updated on STN: 5 Jun 2002
Entered Medline: 4 Jun 2002

L14 ANSWER 45 OF 66 MEDLINE on STN

Full Text

AN 2002082544 MEDLINE
DN PubMed ID: 11809001

TI Anabolic agents for treating postmenopausal **osteoporosis**.
 AU Meunier P J
 CS Department of Rheumatology and Bone Diseases, Pavillon F, Hopital
 Edouard-Herriot, Lyon, France.. meunier@lyon151.inserm.fr
 SO Joint, bone, spine : revue du rhumatisme, (2001 Dec) Vol. 68, No. 6, pp.
 576-81. Ref: 43
 Journal code: 100938016. ISSN: 1297-319X.
 CY France
 DT Journal; Article; (JOURNAL ARTICLE)
 General Review; (REVIEW)
 LA English
 FS Priority Journals
 EM 200206
 ED Entered STN: 28 Jan 2002
 Last Updated on STN: 8 Oct 2002
 Entered Medline: 26 Jun 2002

L14 ANSWER 46 OF 66 MEDLINE on STN

Full Text

AN 2002076768 MEDLINE
 DN PubMed ID: 11803091
 TI Statins as novel therapies for **osteoporosis**?.
 AU Galloway Peter; Greer Ian A; Sattar Naveed
 SO European journal of obstetrics, gynecology, and reproductive biology,
 (2002 Feb 10) Vol. 101, No. 1, pp. 4-5. Ref: 10
 Journal code: 0375672. ISSN: 0301-2115.
 CY Ireland
 DT Editorial
 General Review; (REVIEW)
 LA English
 FS Priority Journals
 EM 200206
 ED Entered STN: 25 Jan 2002
 Last Updated on STN: 11 Jun 2002
 Entered Medline: 6 Jun 2002

L14 ANSWER 47 OF 66 MEDLINE on STN

Full Text

AN 2001512495 MEDLINE
 DN PubMed ID: 11549708
 TI Simvastatin increases serum osteocalcin concentration in patients treated
 for hypercholesterolaemia.
 AU Chan M H; Mak T W; Chiu R W; Chow C C; Chan I H; Lam C W
 CS Department of Chemical Pathology, The Chinese University of Hong Kong,
 Hong Kong.
 SO The Journal of clinical endocrinology and metabolism, (2001 Sep) Vol. 86,
 No. 9, pp. 4556-9.
 Journal code: 0375362. ISSN: 0021-972X.
 CY United States
 DT (CLINICAL TRIAL)
 Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Abridged Index Medicus Journals; Priority Journals
 EM 200110
 ED Entered STN: 19 Sep 2001
 Last Updated on STN: 15 Oct 2001
 Entered Medline: 11 Oct 2001

L14 ANSWER 48 OF 66 MEDLINE on STN

Full Text

AN 2001506642 MEDLINE
 DN PubMed ID: 11554731
 TI Pitavastatin enhanced BMP-2 and osteocalcin expression by inhibition of
 Rho-associated kinase in human osteoblasts.
 AU Ohnaka K; Shimoda S; Nawata H; Shimokawa H; Kaibuchi K; Iwamoto Y;
 Takayanagi R
 CS Department of Geriatric Medicine, Graduate School of Medical Sciences,
 Kyushu University, Fukuoka, Japan.. oonaka@geriat.med.kyushu-u.ac.jp
 SO Biochemical and biophysical research communications, (2001 Sep 21) Vol.
 287, No. 2, pp. 337-42.
 Journal code: 0372516. ISSN: 0006-291X.
 CY United States

DT Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
LA English
FS Priority Journals
EM 200110
ED Entered STN: 17 Sep 2001
Last Updated on STN: 20 Apr 2002
Entered Medline: 18 Oct 2001

L14 ANSWER 49 OF 66 MEDLINE on STN

Full Text

AN 2001441857 MEDLINE
DN PubMed ID: 11487306
TI Essential fatty acids as possible mediators of the actions of statins.
AU Das U N
CS EFA Sciences LLC, 1420 Providence Highway, Norwood, MA 02062, USA.:
undurti@hotmail.com
SO Prostaglandins, leukotrienes, and essential fatty acids, (2001 Jul) Vol.
65, No. 1, pp. 37-40. Ref: 48
Journal code: 8802730. ISSN: 0952-3278.
CY Scotland: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
LA English
FS Priority Journals
EM 200110
ED Entered STN: 13 Aug 2001
Last Updated on STN: 8 Oct 2001
Entered Medline: 4 Oct 2001

L14 ANSWER 50 OF 66 MEDLINE on STN

Full Text

AN 2001389929 MEDLINE
DN PubMed ID: 11444086
TI The effect of fluvastatin on parameters of bone remodeling.
AU Bjarnason N H; Riis B J; Christiansen C
CS Center for Clinical & Basic Research, Ballerup Byvej 222, DK-2750
Ballerup, Denmark.. nibj@gentoftehosp.kbharnt.dk
SO Osteoporosis international : a journal established as result of
cooperation between the European Foundation for Osteoporosis and the
National Osteoporosis Foundation of the USA, (2001) Vol. 12, No. 5, pp.
380-4.
Journal code: 9100105. ISSN: 0937-941X.
CY England: United Kingdom
DT (CLINICAL TRIAL)
Journal; Article; (JOURNAL ARTICLE)
(RANDOMIZED CONTROLLED TRIAL)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
LA English
FS Priority Journals
EM 200108
ED Entered STN: 6 Aug 2001
Last Updated on STN: 6 Aug 2001
Entered Medline: 2 Aug 2001

L14 ANSWER 51 OF 66 MEDLINE on STN

Full Text

AN 2001357250 MEDLINE
DN PubMed ID: 11417585
TI Statins and fractures.
AU Wierzbicki A S; Reynolds T M
SO Lancet, (2001 Jun 9) Vol. 357, No. 9271, pp. 1887-9.
Journal code: 2985213R. ISSN: 0140-6736.
CY England: United Kingdom
DT Commentary
Letter
LA English
FS Abridged Index Medicus Journals; Priority Journals
EM 200107
ED Entered STN: 9 Jul 2001
Last Updated on STN: 3 Oct 2001
Entered Medline: 5 Jul 2001

L14 ANSWER 52 OF 66 MEDLINE on STN

Full Text

AN 2001341667 MEDLINE
DN PubMed ID: 11405194
TI Statins and bone formation.
AU Garrett I R; Gutierrez G; Mundy G R
CS Department of Endocrinology/Medicine, University of Texas Health Science Center at San Antonio, USA.. rossos@aol.com
SO Current pharmaceutical design, (2001 May) Vol. 7, No. 8, pp. 715-36. Ref: 87
Journal code: 9602487. ISSN: 1381-6128.
CY Netherlands
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
LA English
FS Priority Journals
EM 200107
ED Entered STN: 30 Jul 2001
Last Updated on STN: 30 Jul 2001
Entered Medline: 26 Jul 2001

L14 ANSWER 53 OF 66 MEDLINE on STN

Full Text

AN 2001335674 MEDLINE
DN PubMed ID: 11402915
TI [Statins as new therapeutic possibility in osteoporosis?].
Statine als neue Therapiemöglichkeit der Osteoporose?.
AU Laufs U; Werner N; Bohm M; Nickenig G
CS Medizinische Klinik und Poliklinik, Innere Medizin III, Universitätskliniken des Saarlandes, Homburg.. ulrich@laufs.com
SO Deutsche medizinische Wochenschrift (1946), (2001 May 11) Vol. 126, No. 19, pp. 565-8.
Journal code: 0006723. ISSN: 0012-0472.
CY Germany: Germany, Federal Republic of
DT Journal; Article; (JOURNAL ARTICLE)
LA German
FS Priority Journals
EM 200106
ED Entered STN: 2 Jul 2001
Last Updated on STN: 24 Jan 2002
Entered Medline: 28 Jun 2001

L14 ANSWER 54 OF 66 MEDLINE on STN

Full Text

AN 2001327668 MEDLINE
DN PubMed ID: 11394905
TI Compactin enhances osteogenesis in murine embryonic stem cells.
AU Phillips B W; Belmonte N; Vernochet C; Ailhaud G; Dani C
CS Centre de Biochimie (UMR 6543 CNRS), Faculte de Sciences, Universite de Nice-Sophia Antipolis, Parc Valrose, Nice, 06108, France.
SO Biochemical and biophysical research communications, (2001 Jun 8) Vol. 284, No. 2, pp. 478-84.
Journal code: 0372516. ISSN: 0006-291X.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
LA English
FS Priority Journals
EM 200107
ED Entered STN: 16 Jul 2001
Last Updated on STN: 16 Jul 2001
Entered Medline: 12 Jul 2001

L14 ANSWER 55 OF 66 MEDLINE on STN

Full Text

AN 2001325800 MEDLINE
DN PubMed ID: 11325797
TI NK-104, a 3-hydroxy-3-methylglutaryl coenzyme A reductase inhibitor, reduces osteopontin expression by rat aortic smooth muscle cells.
AU Takemoto M; Kitahara M; Yokote K; Asaumi S; Take A; Saito Y; Mori S
CS Second Department of Internal Medicine, School of Medicine, Chiba

University, 1-8-1 Inohana, Chiba 260-0856, Japan.
 SO British journal of pharmacology, (2001 May) Vol. 133, No. 1, pp. 83-8.
 Journal code: 7502536. ISSN: 0007-1188.
 CY England: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 (RESEARCH SUPPORT, NON-U.S. GOV'T)
 LA English
 FS Priority Journals
 EM 200107
 ED Entered STN: 30 Jul 2001
 Last Updated on STN: 30 Jul 2001
 Entered Medline: 26 Jul 2001

L14 ANSWER 56 OF 66 MEDLINE on STN

Full Text

AN 2001228587 MEDLINE
 DN PubMed ID: 11240412
 TI [Mechanisms of action of statins and their pleiotropic effects].
 Mecanismes d'action des statines et leurs effets pleiotropes.
 AU Davignon J; Mabile L
 CS Institut de recherches cliniques de Montreal, 110, av. des Pins Ouest,
 Montreal, Quebec, H2W 1R7 Canada.. davignj@ircm.qc.ca
 SO Annales d'endocrinologie, (2001 Feb) Vol. 62, No. 1 Pt 2, pp. 101-12.
 Ref: 124
 Journal code: 0116744. ISSN: 0003-4266.
 CY France
 DT (ENGLISH ABSTRACT)
 Journal; Article; (JOURNAL ARTICLE)
 General Review; (REVIEW)
 LA French
 FS Priority Journals
 EM 200104
 ED Entered STN: 2 May 2001
 Last Updated on STN: 2 May 2001
 Entered Medline: 26 Apr 2001

L14 ANSWER 57 OF 66 MEDLINE on STN

Full Text

AN 2001194519 MEDLINE
 DN PubMed ID: 11176209
 TI Bimonthly update. Therapy and clinical trials.
 AU Bachorik P Spbach@prodigy.net
 SO Current opinion in lipidology, (2001 Feb) Vol. 12, No. 1, pp. 89-91.
 Journal code: 9010000. ISSN: 0957-9672.
 CY England: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200104
 ED Entered STN: 10 Apr 2001
 Last Updated on STN: 10 Apr 2001
 Entered Medline: 5 Apr 2001

L14 ANSWER 58 OF 66 MEDLINE on STN

Full Text

AN 2001179468 MEDLINE
 DN PubMed ID: 11162604
 TI Simvastatin promotes osteoblast differentiation and mineralization in
 MC3T3-E1 cells.
 AU Maeda T; Matsunuma A; Kawane T; Horiuchi N
 CS Department of Biochemistry, Ohu University School of Dentistry, Koriyama
 963-8611, Japan.
 SO Biochemical and biophysical research communications, (2001 Jan 26) Vol.
 280, No. 3, pp. 874-7.
 Journal code: 0372516. ISSN: 0006-291X.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 (RESEARCH SUPPORT, NON-U.S. GOV'T)
 LA English
 FS Priority Journals
 EM 200103
 ED Entered STN: 4 Apr 2001

Last Updated on STN: 4 Apr 2001
Entered Medline: 29 Mar 2001

L14 ANSWER 59 OF 66 MEDLINE on STN

Full Text

AN 2001152026 MEDLINE
DN PubMed ID: 11229669
TI Effect of pravastatin on frequency of fracture in the LIPID study:
secondary analysis of a randomised controlled trial. Long-term
Intervention with Pravastatin in Ischaemic Disease.
AU Reid I R; Hague W; Emberson J; Baker J; Tonkin A; Hunt D; MacMahon S;
Sharpe N
CS Department of Medicine, University of Auckland, New Zealand..
i.reid@auckland.ac.nz
SO Lancet, (2001 Feb 17) Vol. 357, No. 9255, pp. 509-12.
Journal code: 2985213R. ISSN: 0140-6736.
CY England: United Kingdom
DT (CLINICAL TRIAL)
Journal; Article; (JOURNAL ARTICLE)
(RANDOMIZED CONTROLLED TRIAL)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
LA English
FS Abridged Index Medicus Journals; Priority Journals
EM 200103
ED Entered STN: 4 Apr 2001
Last Updated on STN: 3 Oct 2001
Entered Medline: 15 Mar 2001

L14 ANSWER 60 OF 66 MEDLINE on STN

Full Text

AN 2001061410 MEDLINE
DN PubMed ID: 11063528
TI Will statins unseat estrogen?..
AU Anonymous
SO Harvard heart letter : from Harvard Medical School, (2000 Nov) Vol. 11,
No. 3, pp. 1-4.
Journal code: 9425723. ISSN: 1051-5313.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Consumer Health
EM 200012
ED Entered STN: 22 Mar 2001
Last Updated on STN: 22 Mar 2001
Entered Medline: 22 Dec 2000

L14 ANSWER 61 OF 66 MEDLINE on STN

Full Text

AN 2000301716 MEDLINE
DN PubMed ID: 10842899
TI [Atherosclerosis in light of the evidence from large statin trials].
L'aterosclerosi alla luce delle evidenze dei grandi trial con le statine.
AU Cortese C; Bernardini S; Motti C
CS Dipartimento di Medicina Interna, Universita degli Studi Tor Vergata di
Roma.. cortese@uniroma2.it
SO Annali italiani di medicina interna : organo ufficiale della Societa
italiana di medicina interna, (2000 Jan-Mar) Vol. 15, No. 1, pp. 103-7.
Ref: 35
Journal code: 8806705. ISSN: 0393-9340.
CY Italy
DT (ENGLISH ABSTRACT)
Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
LA Italian
FS Priority Journals
EM 200008
ED Entered STN: 11 Aug 2000
Last Updated on STN: 11 Aug 2000
Entered Medline: 2 Aug 2000

L14 ANSWER 62 OF 66 MEDLINE on STN

Full Text

AN 2000275477 MEDLINE
 DN PubMed ID: 10814523
 TI Compactin and simvastatin, but not pravastatin, induce bone morphogenetic protein-2 in human osteosarcoma cells.
 AU Sugiyama M; Kodama T; Konishi K; Abe K; Asami S; Oikawa S
 CS Suntory Biomedical Research Limited, Suntory Institute for Fundamental Research, 1-1-1 Wakayamadai, Osaka, Shimamoto-cho, Mishima-gun, 618-8503, Japan.
 SO Biochemical and biophysical research communications, (2000 May 19) Vol. 271, No. 3, pp. 688-92.
 Journal code: 0372516. ISSN: 0006-291X.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200006
 ED Entered STN: 29 Jun 2000
 Last Updated on STN: 29 Jun 2000
 Entered Medline: 20 Jun 2000

L14 ANSWER 63 OF 66 MEDLINE on STN

Full Text

AN 2000273568 MEDLINE
 DN PubMed ID: 10833211
 TI Coverage by the news media of the benefits and risks of medications.
 AU Moynihan R; Bero L; Ross-Degnan D; Henry D; Lee K; Watkins J; Mah C; Soumerai S B
 CS Department of Ambulatory Care and Prevention, Harvard Medical School and Harvard Pilgrim Health Care, Boston, MA 02215, USA.
 SO The New England journal of medicine, (2000 Jun 1) Vol. 342, No. 22, pp. 1645-50.
 Journal code: 0255562. ISSN: 0028-4793.
 Report No.: KIE-65663.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 (RESEARCH SUPPORT, NON-U.S. GOV'T)
 LA English
 FS Abridged Index Medicus Journals; Bioethics; Priority Journals
 EM 200006
 ED Entered STN: 13 Jun 2000
 Last Updated on STN: 18 Mar 2003
 Entered Medline: 1 Jun 2000

L14 ANSWER 64 OF 66 MEDLINE on STN

Full Text

AN 2000066519 MEDLINE
 DN PubMed ID: 10610568
 TI Cholesterol-lowering drugs may boost bones.
 AU Vogel G
 SO Science (New York, N.Y.), (1999 Dec 3) Vol. 286, No. 5446, pp. 1825-6.
 Journal code: 0404511. ISSN: 0036-8075.
 CY United States
 DT Commentary
 News Announcement
 LA English
 FS Priority Journals
 EM 199912
 ED Entered STN: 13 Jan 2000
 Last Updated on STN: 13 Jan 2000
 Entered Medline: 16 Dec 1999

L14 ANSWER 65 OF 66 MEDLINE on STN

Full Text

AN 2000050954 MEDLINE
 DN PubMed ID: 10583956
 TI Stimulation of bone formation in vitro and in rodents by statins.
 AU Mundy G; Garrett R; Harris S; Chan J; Chen D; Rossini G; Boyce B; Zhao M; Gutierrez G
 CS OsteoScreen, 2040 Babcock Road, San Antonio, TX 78229, USA..
mundy@uthscsa.edu
 SO Science (New York, N.Y.), (1999 Dec 3) Vol. 286, No. 5446, pp. 1946-9.
 Journal code: 0404511. ISSN: 0036-8075.

CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199912
ED Entered STN: 13 Jan 2000
Last Updated on STN: 13 Jan 2000
Entered Medline: 16 Dec 1999

L14 ANSWER 66 OF 66 MEDLINE on STN

Full Text

AN 96102566 MEDLINE
DN PubMed ID: 8527957
TI Lipid clearing agents in steroid-induced **osteoporosis**.
AU Wang G J; Chung K C; Shen W J
CS Department of Orthopedics, University of Virginia School of Medicine,
Charlottesville 22908, USA.
SO Journal of the Formosan Medical Association = Taiwan yi zhi, (1995 Oct)
Vol. 94, No. 10, pp. 589-92.
Journal code: 9214933. ISSN: 0929-6646.
CY TAIWAN: Taiwan, Province of China
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199601
ED Entered STN: 20 Feb 1996
Last Updated on STN: 20 Feb 1996
Entered Medline: 30 Jan 1996

=> d l14 an ti au so ab kwic 39 42 44 46 51 52 64

L14 ANSWER 39 OF 66 MEDLINE on STN

Full Text

AN 2002651550 MEDLINE
TI Simvastatin improves fracture healing in mice.
AU Skoglund Bjorn; Forslund Carina; Aspenberg Per
SO Journal of bone and mineral research : the official journal of the
American Society for Bone and Mineral Research, (2002 Nov) Vol. 17, No.
11, pp. 2004-8.
Journal code: 8610640. ISSN: 0884-0431.
AB Recently, several articles have been published dealing with the anabolic
effects on bone by statins. Mundy and associates discovered that several
statins were able to activate the promotor of bone morphogenetic protein
(BMP) 2. Additionally, oral simvastatin and lovastatin increased the
cancellous bone volume in rats, presumably an effect of the increase of
BMP-2. Other studies have followed, with conflicting results; some have
found a positive bone metabolic effect of statins and others have not.
Studies published so far have focused on **osteoporosis**. In this study,
femur fractures were produced in 81 mature male BALB/c mice and stabilized
with marrow-nailing. Forty-one mice were given a diet prepared with
simvastatin, so that each mouse received an approximate dose of 120 mg/kg
of body weight per day. The remaining mice received the same diet with
the exception of the simvastatin. Bilateral femurs were harvested at 8,
14, and 21 days postoperatively (po), the marrow-nail was extracted, and
diameters were measured. Biomechanical tests were performed on 42 mice,
by way of three-point bending. Histological specimens were prepared using
standard techniques. For statistical analysis, ANOVA with Scheffes post
hoc test was used. At 8 days, the fracture callus was too soft for
meaningful biomechanical testing. At 14 days, the callus of the
simvastatin-treated mice had a 53% larger transverse area than controls (p
= 0.001), the force required to break the bone was 63% greater (p =
0.001), and the energy uptake was increased by 150% (p = 0.0008).
Stiffness and modulus of elasticity were not significantly affected. At
21 days, the fractures were histologically healed and the mechanical
differences had disappeared. The contralateral unbroken bone showed a
slight increase in transverse area because of the simvastatin treatment,
but there was no significant effect on the force required to break the
bone or on energy uptake. These results point to a new possibility in the
treatment of fractures.
AB . . . have found a positive bone metabolic effect of statins and others
have not. Studies published so far have focused on **osteoporosis**. In

this study, femur fractures were produced in 81 mature male BALB/c mice and stabilized with marrow-nailing. Forty-one mice were.

RN 79902-63-9 (Simvastatin)

L14 ANSWER 42 OF 66 MEDLINE on STN

Full Text

AN 2002419923 MEDLINE

TI Lovastatin increases longitudinal **bone growth** and bone morphogenetic protein-2 levels in the growth plate of Sprague-Dawley rats.

AU Leem Kanghyun; Park Sun-Young; Lee Dong-Hwan; Kim Hocheol

SO European journal of pediatrics, (2002 Jul) Vol. 161, No. 7, pp. 406-7. Journal code: 7603873. ISSN: 0340-6199.

TI Lovastatin increases longitudinal **bone growth** and bone morphogenetic protein-2 levels in the growth plate of Sprague-Dawley rats.

RN 75330-75-5 (Lovastatin)

L14 ANSWER 44 OF 66 MEDLINE on STN

Full Text

AN 2002242358 MEDLINE

TI Stimulation of bone formation by anti-hyperlipidemic agent statins and its mechanism of action.

AU Yoneda Toshiyuki

SO Nippon rinsho. Japanese journal of clinical medicine, (2002 Mar) Vol. 60 Suppl 3, pp. 688-95. Ref: 11

Journal code: 0420546. ISSN: 0047-1852.

CT . . . pharmacology

Indoles: TU, therapeutic use

Lovastatin: PD, pharmacology

Lovastatin: TU, therapeutic use

Mevalonic Acid: ME, metabolism

*Osteogenesis: DE, drug effects

Osteoporosis: DT, drug therapy

Stimulation, Chemical

*Transforming Growth Factor beta

RN 150-97-0 (Mevalonic Acid); 75330-75-5 (Lovastatin); 93957-54-1 (fluvastatin)

L14 ANSWER 46 OF 66 MEDLINE on STN

Full Text

AN 2002076768 MEDLINE

TI Statins as novel therapies for **osteoporosis?**.

AU Galloway Peter; Greer Ian A; Sattar Naveed

SO European journal of obstetrics, gynecology, and reproductive biology, (2002 Feb 10) Vol. 101, No. 1, pp. 4-5. Ref: 10

Journal code: 0375672. ISSN: 0301-2115.

TI Statins as novel therapies for **osteoporosis?**.

CT Check Tags: Female

Cardiovascular Diseases: PC, prevention & control

Humans

*Hydroxymethylglutaryl-CoA Reductase Inhibitors: TU, therapeutic use

***Osteoporosis, Postmenopausal: DT, drug therapy**

***Osteoporosis, Postmenopausal: PC, prevention & control**

Pravastatin: AE, adverse effects

*Pravastatin: TU, therapeutic use

RN 81093-37-0 (Pravastatin)

L14 ANSWER 51 OF 66 MEDLINE on STN

Full Text

AN 2001357250 MEDLINE

TI Statins and fractures.

AU Wierzbicki A S; Reynolds T M

SO Lancet, (2001 Jun 9) Vol. 357, No. 9271, pp. 1887-9.

Journal code: 2985213R. ISSN: 0140-6736.

CT . . .

Animals

Bone Density: DE, drug effects

*Coronary Disease: DT, drug therapy

*Fractures, Spontaneous: PC, prevention & control

Humans

Middle Aged

***Osteoporosis: PC, prevention & control**

*Pravastatin: AD, administration & dosage

Randomized Controlled Trials
Rats
RN 81093-37-0 (Pravastatin)

L14 ANSWER 52 OF 66 MEDLINE on STN

Full Text

AN 2001341667 MEDLINE

TI Statins and bone formation.

AU Garrett I R; Gutierrez G; Mundy G R

SO Current pharmaceutical design, (2001 May) Vol. 7, No. 8, pp. 715-36. Ref: 87

Journal code: 9602487. ISSN: 1381-6128.

AB The main therapy needed most in the bone field is an anabolic agent for the treatment of **osteoporosis**. Current drugs on the market, which included bisphosphonates, calcitonin, estrogen and related compounds, vitamin D analogues trabecular microarchitecture. Therefore, it would be desirable to have a satisfactory and universally and iprifalvone, are essentially bone resorption inhibitors that mainly act to stabilize bone mass. Patients with established **osteoporosis** have lost more than 50% of their bone mass at critical sites in the skeleton, and more over have marked disruption of acceptable drug that would stimulate new bone formation and correct this disturbance of trabecular microarchitecture characteristic of established **osteoporosis**. Recently inhibitors of the enzyme 3-hydroxy-3-methylglutaryl coenzyme A (HMG CoA) reductase, which controls the first step in the biosynthesis of cholesterol, have been shown to stimulate bone formation in rodents both in vitro and in vivo. The effect is associated with an increased expression of the bone morphogenetic protein-2 (BMP-2) gene in bone cells. These statins drugs are widely used agents for lowering cholesterol and reducing heart attacks, however they are also known to elicit numerous pleiotropic effects including inhibition of proliferation and migration of smooth muscle cells, inhibition of tumor growth and anti-inflammatory activity. Some of these effects have been attributed to not only to the reduction of cholesterol synthesis by inhibition of the HMG-CoA reductase enzyme but also by the concurrent reduction in downstream metabolites of the mevalonate pathway such as mevalonate, farnesyl pyrophosphate and geranylgeranyl pyrophosphate. The findings that statins are capable of increasing bone formation and bone mass in rodents suggests a potential new action for the statins, which may be beneficial in patients with established **osteoporosis** where marked bone loss has occurred. Recent clinical data suggests that they may reduce the risk of fracture in patients taking these drugs. However, their precise role can only be determined by appropriate randomized clinical trials, which demonstrate their efficacy in this regard in patients.

AB The main therapy needed most in the bone field is an anabolic agent for the treatment of **osteoporosis**. Current drugs on the market, which included bisphosphonates, calcitonin, estrogen and related compounds, vitamin D analogues trabecular microarchitecture. Therefore, it. . . . satisfactory and universally and iprifalvone, are essentially bone resorption inhibitors that mainly act to stabilize bone mass. Patients with established **osteoporosis** have lost more than 50% of their bone mass at critical sites in the skeleton, and more over have marked. . . . disruption of acceptable drug that would stimulate new bone formation and correct this disturbance of trabecular microarchitecture characteristic of established **osteoporosis**. Recently inhibitors of the enzyme 3-hydroxy-3-methylglutaryl coenzyme A (HMG CoA) reductase, which controls the first step in the biosynthesis of. . . . bone mass in rodents suggests a potential new action for the statins, which may be beneficial in patients with established **osteoporosis** where marked bone loss has occurred. Recent clinical data suggests that they may reduce the risk of fracture in patients.

RN 75330-75-5 (Lovastatin); 79902-63-9 (Simvastatin)

L14 ANSWER 64 OF 66 MEDLINE on STN

Full Text

AN 2000066519 MEDLINE

TI Cholesterol-lowering drugs may boost bones.

AU Vogel G

SO Science (New York, N.Y.), (1999 Dec 3) Vol. 286, No. 5446, pp. 1825-6.

Journal code: 0404511. ISSN: 0036-8075.

CT

Morphogenetic Proteins: BI, biosynthesis

Clinical Trials
 Humans
 *Hydroxymethylglutaryl-CoA Reductase Inhibitors: PD, pharmacology
 *Lovastatin: PD, pharmacology
 Mice
 *Osteogenesis: DE, drug effects
 *Osteoporosis: DT, drug therapy
 Rats
 Simvastatin: PD, pharmacology
 *Transforming Growth Factor beta
 RN 75330-75-5 (Lovastatin); 79902-63-9 (Simvastatin)

=> d his

(FILE 'HOME' ENTERED AT 18:46:43 ON 10 JUN 2007)

FILE 'REGISTRY' ENTERED AT 18:47:02 ON 10 JUN 2007

	E ATORVASTATIN/CN
L1	1 S E3
	E CERIVASTATIN/CN
L2	1 S E3
	E LOVASTATIN/CN
L3	1 S E3
	E SIMVASTATIN/CN
L4	1 S E3
	E FLUVASTATIN/CN
L5	1 S E3
	E PRVASTATIN/CN
	E PRAVASTATIN/CN
L6	1 S E3
	E ROSUVASTATIN/CN
L7	1 S E3
	E NK 104/CN
L8	4 S E3
	E AGRININE/CN
	E ARGININE/CN
L9	2 S E3

FILE 'MEDLINE' ENTERED AT 18:50:19 ON 10 JUN 2007

L10	8038 S L1 OR L2 OR L3 OR L4 OR L5 OR L6 OR L7 OR L8
L11	63898 S (BONE GROWTH OR OSTEOP?)
L12	29782 S L9
L13	77022 S ARGININE
L14	66 S L10 AND L11
L15	66 S L11 AND L14
L16	66 S L14 AND L15
L17	176 S L11 AND L13
L18	0 S L14 AND L17

=> d l17 156-166

L17 ANSWER 156 OF 176 MEDLINE on STN

Full Text

AN 94301501 MEDLINE
 DN PubMed ID: 8028755
 TI [The effects of the carbocalcitonin + arginine-lysine-lactose combination in senile involutional **osteoporosis**].
 Effetti della associazione carbocalcitonina + arginina-lisina-lattosio nell'**osteoporosi** involutiva senile.
 AU Abate G; Taormina F; Brillante C; Fraccalaglio L
 CS Cattedra di Geriatria, Universita degli Studi G. D'Annunzio, Chieti.
 SO Minerva medica, (1994 May) Vol. 85, No. 5, pp. 253-9.
 Journal code: 0400732. ISSN: 0026-4806.
 CY Italy
 DT (CLINICAL TRIAL)
 (COMPARATIVE STUDY)
 (ENGLISH ABSTRACT)
 Journal; Article; (JOURNAL ARTICLE)
 (RANDOMIZED CONTROLLED TRIAL)
 LA Italian
 FS Priority Journals

EM 199408
ED Entered STN: 18 Aug 1994
Last Updated on STN: 18 Aug 1994
Entered Medline: 10 Aug 1994

L17 ANSWER 157 OF 176 MEDLINE on STN

Full Text

AN 94242126 MEDLINE
DN PubMed ID: 8185700
TI Quantitative analysis of crosslinks pyridinoline and pentosidine in articular cartilage of patients with bone and joint disorders.
AU Takahashi M; Kushida K; Ohishi T; Kawana K; Hoshino H; Uchiyama A; Inoue T
CS Department of Orthopedic Surgery, Hamamatsu University School of Medicine, Japan.
SO Arthritis and rheumatism, (1994 May) Vol. 37, No. 5, pp. 724-8.
Journal code: 0370605. ISSN: 0004-3591.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
LA English
FS Abridged Index Medicus Journals; Priority Journals
EM 199406
ED Entered STN: 21 Jun 1994
Last Updated on STN: 21 Jun 1994
Entered Medline: 16 Jun 1994

L17 ANSWER 158 OF 176 MEDLINE on STN

Full Text

AN 94224781 MEDLINE
DN PubMed ID: 7513424
TI Potentiation of osteoclast bone-resorption activity by inhibition of nitric oxide synthase.
AU Kastan T P; Collin-Osdoby P; Patel N; Osdoby P; Krukowski M; Misko T P; Settle S L; Currie M G; Nickols G A
CS Department of Molecular Pharmacology, Monsanto Corporate Research, St. Louis, MO 63167.
NC AR32087 (NIAMS)
AR32927 (NIAMS)
SO Proceedings of the National Academy of Sciences of the United States of America, (1994 Apr 26) Vol. 91, No. 9, pp. 3569-73.
Journal code: 7505876. ISSN: 0027-8424.
CY United States
DT (IN VITRO)
Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
(RESEARCH SUPPORT, U.S. GOV'T, P.H.S.)
LA English
FS Priority Journals
EM 199406
ED Entered STN: 13 Jun 1994
Last Updated on STN: 29 Jan 1996
Entered Medline: 1 Jun 1994

L17 ANSWER 159 OF 176 MEDLINE on STN

Full Text

AN 94217373 MEDLINE
DN PubMed ID: 8164440
TI **Osteopontin** expression in angiotensin II-induced tubulointerstitial nephritis.
AU Giachelli C M; Pichler R; Lombardi D; Denhardt D T; Alpers C E; Schwartz S M; Johnson R J
CS Pathology Department, University of Washington, Seattle.
NC DK-02142 (NIDDK)
DK-43422 (NIDDK)
HL03174 (NHLBI)
+
SO Kidney international, (1994 Feb) Vol. 45, No. 2, pp. 515-24.
Journal code: 0323470. ISSN: 0085-2538.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
(RESEARCH SUPPORT, U.S. GOV'T, P.H.S.)

LA English
FS Priority Journals
EM 199405
ED Entered STN: 6 Jun 1994
Last Updated on STN: 6 Jun 1994
Entered Medline: 26 May 1994

L17 ANSWER 160 OF 176 MEDLINE on STN

Full Text

AN 93157858 MEDLINE
DN PubMed ID: 8430340
TI Skeletal manifestations of lysinuric protein intolerance. A follow-up study of 29 patients.
AU Svedstrom E; Parto K; Marttinen M; Virtama P; Simell O
CS Department of Diagnostic Radiology, University of Turku, Finland.
SO Skeletal radiology, (1993) Vol. 22, No. 1, pp. 11-6.
Journal code: 7701953. ISSN: 0364-2348.
CY GERMANY: Germany, Federal Republic of
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199303
ED Entered STN: 26 Mar 1993
Last Updated on STN: 26 Mar 1993
Entered Medline: 11 Mar 1993

L17 ANSWER 161 OF 176 MEDLINE on STN

Full Text

AN 93043597 MEDLINE
DN PubMed ID: 1421573
TI Expression and distribution of osteopontin in human tissues: widespread association with luminal epithelial surfaces.
AU Brown L F; Berse B; Van de Water L; Papadopoulos-Sergiou A; Perruzzi C A; Manseau E J; Dvorak H F; Senger D R
CS Department of Pathology, Beth Israel Hospital, Boston, Massachusetts.
NC CA-28471 (NCI)
CA-34025 (NCI)
SO Molecular biology of the cell, (1992 Oct) Vol. 3, No. 10, pp. 1169-80.
Journal code: 9201390. ISSN: 1059-1524.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
(RESEARCH SUPPORT, U.S. GOV'T, P.H.S.)
LA English
FS Priority Journals
EM 199212
ED Entered STN: 22 Jan 1993
Last Updated on STN: 22 Jan 1993
Entered Medline: 22 Dec 1992

L17 ANSWER 162 OF 176 MEDLINE on STN

Full Text

AN 92362121 MEDLINE
DN PubMed ID: 1499220
TI Structure, expression, and regulation of the major noncollagenous matrix proteins of bone.
AU Young M F; Kerr J M; Ibaraki K; Heegaard A M; Robey P G
CS Bone Research Branch, National Institute of Dental Research, National Institutes of Health, Bethesda, Maryland 20892.
SO Clinical orthopaedics and related research, (1992 Aug) No. 281, pp. 275-94. Ref: 126
Journal code: 0075674. ISSN: 0009-921X.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
LA English
FS Abridged Index Medicus Journals; Priority Journals; Space Life Sciences
EM 199209
ED Entered STN: 25 Sep 1992
Last Updated on STN: 6 Feb 1998
Entered Medline: 14 Sep 1992

L17 ANSWER 163 OF 176 MEDLINE on STN

Full Text

AN 92347489 MEDLINE
DN PubMed ID: 1639145
TI RGD-directed attachment of isolated rat osteoclasts to **osteopontin**, bone sialoprotein, and fibronectin.
AU Flores M E; Norgard M; Heinegard D; Reinholt F P; Andersson G
CS Department of Pathology, Karolinska Institutet, Huddinge University Hospital, Sweden.
SO Experimental cell research, (1992 Aug) Vol. 201, No. 2, pp. 526-30. Journal code: 0373226. ISSN: 0014-4827.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
LA English
FS Priority Journals
EM 199209
ED Entered STN: 11 Sep 1992
Last Updated on STN: 11 Sep 1992
Entered Medline: 3 Sep 1992

L17 ANSWER 164 OF 176 MEDLINE on STN

Full Text

AN 92231535 MEDLINE
DN PubMed ID: 1567180
TI Induction of expression of **osteopontin** (OPN; secreted phosphoprotein) in metastatic, ras-transformed NIH 3T3 cells.
AU Chambers A F; Behrend E I; Wilson S M; Denhardt D T
CS London Regional Cancer Centre, Ontario, Canada.
SO Anticancer research, (1992 Jan-Feb) Vol. 12, No. 1, pp. 43-7. Journal code: 8102988. ISSN: 0250-7005.
CY Greece
DT Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
LA English
FS Priority Journals
EM 199205
ED Entered STN: 7 Jun 1992
Last Updated on STN: 3 Feb 1997
Entered Medline: 19 May 1992

L17 ANSWER 165 OF 176 MEDLINE on STN

Full Text

AN 92106750 MEDLINE
DN PubMed ID: 1762381
TI [Increased prevalence of **osteoporosis** and arteriosclerosis in conventionally substituted anterior pituitary insufficiency: need for additional growth hormone substitution?].
Erhohte Prävalenz von **Osteoporose** und Arteriosklerose bei konventionell substituiertem Hypophysenvorderlappeninsuffizienz: Bedarf einer zusätzlichen Wachstumshormonsubstitution?
AU Wuster C; Slenczka E; Ziegler R
CS Abteilung Innere Medizin I, Endokrinologie und Stoffwechsel, Universität Heidelberg.
SO Klinische Wochenschrift, (1991 Oct 18) Vol. 69, No. 16, pp. 769-73. Journal code: 2985205R. ISSN: 0023-2173.
CY GERMANY: Germany, Federal Republic of
DT (ENGLISH ABSTRACT)
Journal; Article; (JOURNAL ARTICLE)
LA German
FS Priority Journals
EM 199202
ED Entered STN: 2 Mar 1992
Last Updated on STN: 2 Mar 1992
Entered Medline: 7 Feb 1992

L17 ANSWER 166 OF 176 MEDLINE on STN

Full Text

AN 90039033 MEDLINE
DN PubMed ID: 2681500
TI Growth hormone and growth in diabetic rats: effects of insulin and insulin-like growth factor-I infusions.

AU Carlsson L M; Clark R G; Skottner A; Robinson I C
 CS Division of Neurophysiology and Neuropharmacology, National Institute for
 Medical Research, Mill Hill, London.
 SO The Journal of endocrinology, (1989 Sep) Vol. 122, No. 3, pp. 661-70.
 Journal code: 0375363. ISSN: 0022-0795.
 CY ENGLAND: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 198912
 ED Entered STN: 28 Mar 1990
 Last Updated on STN: 28 Mar 1990
 Entered Medline: 4 Dec 1989

=> d 117 146-156

L17 ANSWER 146 OF 176 MEDLINE on STN

Full Text

AN 96173079 MEDLINE
 DN PubMed ID: 8589242
 TI Approach to discovering novel therapeutic agents for **osteoporosis** based
 on integrin receptor blockade.
 AU Chorev M; Dresner-Pollak R; Eshel Y; Rosenblatt M
 CS Division of Bone and Mineral Metabolism, Beth Israel Hospital, Boston, MA
 02215, USA.
 SO Biopolymers, (1995) Vol. 37, No. 6, pp. 367-75. Ref: 44
 Journal code: 0372525. ISSN: 0006-3525.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 General Review; (REVIEW)
 LA English
 FS Priority Journals
 EM 199603
 ED Entered STN: 4 Apr 1996
 Last Updated on STN: 4 Apr 1996
 Entered Medline: 27 Mar 1996

L17 ANSWER 147 OF 176 MEDLINE on STN

Full Text

AN 96032762 MEDLINE
 DN PubMed ID: 7559467
 TI The human integrin alpha 8 beta 1 functions as a receptor for tenascin,
 fibronectin, and vitronectin.
 AU Schnapp L M; Hatch N; Ramos D M; Klimanskaya I V; Sheppard D; Pytela R
 CS Department of Medicine, University of California, San Francisco 94143,
 USA.
 NC CA53259 (NCI)
 HL/A133259 (NHLBI)
 HL191551 (NHLBI)
 +
 SO The Journal of biological chemistry, (1995 Sep 29) Vol. 270, No. 39, pp.
 23196-202.
 Journal code: 2985121R. ISSN: 0021-9258.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 (RESEARCH SUPPORT, NON-U.S. GOV'T)
 (RESEARCH SUPPORT, U.S. GOV'T, P.H.S.)
 LA English
 FS Priority Journals
 EM 199511
 ED Entered STN: 27 Dec 1995
 Last Updated on STN: 3 Feb 1997
 Entered Medline: 6 Nov 1995

L17 ANSWER 148 OF 176 MEDLINE on STN

Full Text

AN 95340659 MEDLINE
 DN PubMed ID: 7542253
 TI Site-directed mutagenesis of the **arginine**-glycine-aspartic acid sequence
 in **osteopontin** destroys cell adhesion and migration functions.
 AU Xuan J W; Hota C; Shigeyama Y; D'Errico J A; Somerman M J; Chambers A F

CS London Regional Cancer Centre, Ontario, Canada.
 NC DEO 9532 (NIDCR)
 SO Journal of cellular biochemistry, (1995 Apr) Vol. 57, No. 4, pp. 680-90.
 Journal code: 8205768. ISSN: 0730-2312.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 (RESEARCH SUPPORT, NON-U.S. GOV'T)
 (RESEARCH SUPPORT, U.S. GOV'T, P.H.S.)
 LA English
 FS Priority Journals
 EM 199508
 ED Entered STN: 5 Sep 1995
 Last Updated on STN: 6 Feb 1998
 Entered Medline: 24 Aug 1995

L17 ANSWER 149 OF 176 MEDLINE on STN

Full Text

AN 95247785 MEDLINE
 DN PubMed ID: 7537271
 TI Ca2+ suppresses cell adhesion to **osteopontin** by attenuating binding
 affinity for integrin alpha v beta 3.
 AU Hu D D; Hoyer J R; Smith J W
 CS Department of Vascular Biology (VB-1), Scripps Research Institute, La
 Jolla, California 92037, USA.
 NC AR 42750 (NIAMS)
 CA 56483 (NCI)
 DK 33501 (NIDDK)
 SO The Journal of biological chemistry, (1995 Apr 28) Vol. 270, No. 17, pp.
 9917-25.
 Journal code: 2985121R. ISSN: 0021-9258.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 (RESEARCH SUPPORT, NON-U.S. GOV'T)
 (RESEARCH SUPPORT, U.S. GOV'T, P.H.S.)
 LA English
 FS Priority Journals
 EM 199506
 ED Entered STN: 8 Jun 1995
 Last Updated on STN: 3 Feb 1997
 Entered Medline: 1 Jun 1995

L17 ANSWER 150 OF 176 MEDLINE on STN

Full Text

AN 95182918 MEDLINE
 DN PubMed ID: 7877530
 TI **Arginine** supplementation in the prevention and treatment of **osteoporosis**.
 AU Visser J J; Hoekman K
 CS Department of Surgery, Free University Hospital, Amsterdam, The
 Netherlands.
 SO Medical hypotheses, (1994 Nov) Vol. 43, No. 5, pp. 339-42.
 Journal code: 7505668. ISSN: 0306-9877.
 CY ENGLAND: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199504
 ED Entered STN: 19 Apr 1995
 Last Updated on STN: 19 Apr 1995
 Entered Medline: 3 Apr 1995

L17 ANSWER 151 OF 176 MEDLINE on STN

Full Text

AN 95164704 MEDLINE
 DN PubMed ID: 7532190
 TI The adhesive and migratory effects of **osteopontin** are mediated via
 distinct cell surface integrins. Role of alpha v beta 3 in smooth muscle
 cell migration to **osteopontin** in vitro.
 AU Liaw L; Skinner M P; Raines E W; Ross R; Cheresh D A; Schwartz S M;
 Giachelli C M
 CS Department of Pathology, University of Washington, Seattle 98195.
 NC HL-03174 (NHLBI)
 HL-18645 (NHLBI)

HL-47151 (NHLBI)
 +
 SO The Journal of clinical investigation, (1995 Feb) Vol. 95, No. 2, pp. 713-24.
 Journal code: 7802877. ISSN: 0021-9738.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 (RESEARCH SUPPORT, NON-U.S. GOV'T)
 (RESEARCH SUPPORT, U.S. GOV'T, P.H.S.)
 LA English
 FS Abridged Index Medicus Journals; Priority Journals
 EM 199503
 ED Entered STN: 4 Apr 1995
 Last Updated on STN: 3 Feb 1997
 Entered Medline: 20 Mar 1995

L17 ANSWER 152 OF 176 MEDLINE on STN
Full Text
 AN 95003214 MEDLINE
 DN PubMed ID: 7522656
 TI Adhesive properties of **osteopontin**: regulation by a naturally occurring thrombin-cleavage in close proximity to the GRGDS cell-binding domain.
 AU Senger D R; Perruzzi C A; Papadopoulos-Sergiou A; Van de Water L
 CS Department of Pathology, Beth Israel Hospital, Boston, Massachusetts.
 NC CA-34025 (NCI)
 SO Molecular biology of the cell, (1994 May) Vol. 5, No. 5, pp. 565-74.
 Journal code: 9201390. ISSN: 1059-1524.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 (RESEARCH SUPPORT, U.S. GOV'T, P.H.S.)
 LA English
 FS Priority Journals
 EM 199411
 ED Entered STN: 22 Dec 1994
 Last Updated on STN: 29 Jan 1996
 Entered Medline: 9 Nov 1994

L17 ANSWER 153 OF 176 MEDLINE on STN
Full Text
 AN 95001803 MEDLINE
 DN PubMed ID: 7918316
 TI **Osteopontin** is synthesized by macrophage, smooth muscle, and endothelial cells in primary and restenotic human coronary atherosclerotic plaques.
 AU O'Brien E R; Garvin M R; Stewart D K; Hinohara T; Simpson J B; Schwartz S M; Giachelli C M
 CS Department of Pathology, University of Washington School of Medicine, Seattle.
 NC HL 18645 (NHLBI)
 HL42270 (NHLBI)
 HL47151 (NHLBI)
 SO Arteriosclerosis and thrombosis : a journal of vascular biology / American Heart Association, (1994 Oct) Vol. 14, No. 10, pp. 1648-56.
 Journal code: 9101388. ISSN: 1049-8834.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 (RESEARCH SUPPORT, NON-U.S. GOV'T)
 (RESEARCH SUPPORT, U.S. GOV'T, P.H.S.)
 LA English
 FS Priority Journals
 EM 199411
 ED Entered STN: 22 Dec 1994
 Last Updated on STN: 22 Dec 1994
 Entered Medline: 7 Nov 1994

L17 ANSWER 154 OF 176 MEDLINE on STN
Full Text
 AN 94366544 MEDLINE
 DN PubMed ID: 8084436
 TI [Experience regarding the use of **arginine**-lysine-lactose treatment in menopausal **osteoporosis**].
 Esperienza sull' utilizzo di arginina-lisina-lattosio nella terapia dell' **osteoporosi** menopausale.

AU Bellati U; Liberati M
 CS Clinica Ostetrica e Ginecologica, Universita degli Studi, G. D'Annunzi, Chieti.
 SO Minerva medica, (1994 Jun) Vol. 85, No. 6, pp. 327-32.
 Journal code: 0400732. ISSN: 0026-4806.
 CY Italy
 DT (CLINICAL TRIAL)
 (ENGLISH ABSTRACT)
 Journal; Article; (JOURNAL ARTICLE)
 (RANDOMIZED CONTROLLED TRIAL)
 LA Italian
 FS Priority Journals
 EM 199410
 ED Entered STN: 21 Oct 1994
 Last Updated on STN: 21 Oct 1994
 Entered Medline: 13 Oct 1994

L17 ANSWER 155 OF 176 MEDLINE on STN

Full Text

AN 94361208 MEDLINE
 DN PubMed ID: 8080043
 TI **Osteopontin** expression and distribution in human carcinomas.
 AU Brown L F; Papadopoulos-Sergiou A; Berse B; Manseau E J; Tognazzi K; Perruzzi C A; Dvorak H F; Senger D R
 CS Department of Pathology, Beth Israel Hospital, Boston 02215.
 NC CA 34025 (NCI)
 CA 58845 (NCI)
 SO The American journal of pathology, (1994 Sep) Vol. 145, No. 3, pp. 610-23.
 Journal code: 0370502. ISSN: 0002-9440.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 (RESEARCH SUPPORT, U.S. GOV'T, P.H.S.)
 LA English
 FS Abridged Index Medicus Journals; Priority Journals
 EM 199410
 ED Entered STN: 13 Oct 1994
 Last Updated on STN: 13 Oct 1994
 Entered Medline: 4 Oct 1994

L17 ANSWER 156 OF 176 MEDLINE on STN

Full Text

AN 94301501 MEDLINE
 DN PubMed ID: 8028755
 TI [The effects of the carbocalcitonin + **arginine**-lysine-lactose combination in senile involutional **osteoporosis**].
 Effetti della associazione carbocalcitonina + arginina-lisina-lattosio nell'**osteoporosi** involutiva senile.
 AU Abate G; Taormina F; Brillante C; Fracalaglio L
 CS Cattedra di Geriatria, Universita degli Studi G. D'Annunzio, Chieti.
 SO Minerva medica, (1994 May) Vol. 85, No. 5, pp. 253-9.
 Journal code: 0400732. ISSN: 0026-4806.
 CY Italy
 DT (CLINICAL TRIAL)
 (COMPARATIVE STUDY)
 (ENGLISH ABSTRACT)
 Journal; Article; (JOURNAL ARTICLE)
 (RANDOMIZED CONTROLLED TRIAL)
 LA Italian
 FS Priority Journals
 EM 199408
 ED Entered STN: 18 Aug 1994
 Last Updated on STN: 18 Aug 1994
 Entered Medline: 10 Aug 1994

=> d 117 136-146

L17 ANSWER 136 OF 176 MEDLINE on STN

Full Text

AN 97092866 MEDLINE
 DN PubMed ID: 8938428
 TI A nonsense mutation in the cathepsin K gene observed in a family with

pseudodysostosis.
 AU Johnson M R; Polymeropoulos M H; Vos H L; Ortiz de Luna R I; Francomano C
 A
 CS Medical Genetics Branch, National Institutes of Health, Bethesda, Maryland
 20892-1852, USA.
 SO Genome research, (1996 Nov) Vol. 6, No. 11, pp. 1050-5.
 Journal code: 9518021. ISSN: 1088-9051.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 OS GENBANK-G07268; GENBANK-S79895; GENBANK-T67463; GENBANK-U13665;
 GENBANK-U20280; GENBANK-X82153
 EM 199702
 ED Entered STN: 6 Mar 1997
 Last Updated on STN: 6 Mar 1997
 Entered Medline: 27 Feb 1997

L17 ANSWER 137 OF 176 MEDLINE on STN

Full Text

AN 97067947 MEDLINE
 DN PubMed ID: 8911275
 TI **Osteopontin** expression in platelet-derived growth factor-stimulated
 vascular smooth muscle cells and carotid artery after balloon angioplasty.
 AU Wang X; Loudon C; Ohlstein E H; Stadel J M; Gu J L; Yue T L
 CS Department of Cardiovascular Pharmacology, SmithKline Beecham
 Pharmaceuticals, King of Prussia, Pa.. Xinkang-Wang-1@SBPHRD.com
 SO Arteriosclerosis, thrombosis, and vascular biology, (1996 Nov) Vol. 16,
 No. 11, pp. 1365-72.
 Journal code: 9505803. ISSN: 1079-5642.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199612
 ED Entered STN: 28 Jan 1997
 Last Updated on STN: 28 Jan 1997
 Entered Medline: 11 Dec 1996

L17 ANSWER 138 OF 176 MEDLINE on STN

Full Text

AN 96427473 MEDLINE
 DN PubMed ID: 8830797
 TI **Osteopontin** inhibits nitric oxide production and cytotoxicity by
 activated RAW264.7 macrophages.
 AU Rollo E E; Laskin D L; Denhardt D T
 CS Department of Biological Sciences, Rutgers University, Piscataway, New
 Jersey 08855, USA.
 SO Journal of leukocyte biology, (1996 Sep) Vol. 60, No. 3, pp. 397-404.
 Journal code: 8405628. ISSN: 0741-5400.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 (RESEARCH SUPPORT, NON-U.S. GOV'T)
 (RESEARCH SUPPORT, U.S. GOV'T, P.H.S.)
 LA English
 FS Priority Journals
 EM 199611
 ED Entered STN: 19 Dec 1996
 Last Updated on STN: 19 Dec 1996
 Entered Medline: 5 Nov 1996

L17 ANSWER 139 OF 176 MEDLINE on STN

Full Text

AN 96394339 MEDLINE
 DN PubMed ID: 8798445
 TI Stimulation of mouse **osteopontin** promoter by v-Src is mediated by a
 CCAAT box-binding factor.
 AU Tezuka K i; Denhardt D T; Rodan G A; Harada S i
 CS Department of Bone Biology and Osteoporosis Research, Merck Research
 Laboratories, West Point, Pennsylvania 19486, USA.
 SO The Journal of biological chemistry, (1996 Sep 13) Vol. 271, No. 37, pp.
 22713-7.

Journal code: 2985121R. ISSN: 0021-9258.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199611
 ED Entered STN: 19 Dec 1996
 Last Updated on STN: 3 Mar 2000
 Entered Medline: 7 Nov 1996

L17 ANSWER 140 OF 176 MEDLINE on STN

Full Text

AN 96387356 MEDLINE
 DN PubMed ID: 8794891
 TI Studies on alpha v beta 3/ligand interactions using a [3H]SK&F-107260 binding assay.
 AU Wong A; Hwang S M; McDevitt P; McNulty D; Stadel J M; Johanson K
 CS Department of Cellular Biochemistry, SmithKline Beecham Pharmaceuticals, King of Prussia, Pennsylvania 19406, USA.. angela@spirit.gcrc.upenn.edu
 SO Molecular pharmacology, (1996 Sep) Vol. 50, No. 3, pp. 529-37.
 Journal code: 0035623. ISSN: 0026-895X.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199610
 ED Entered STN: 19 Dec 1996
 Last Updated on STN: 19 Dec 1996
 Entered Medline: 31 Oct 1996

L17 ANSWER 141 OF 176 MEDLINE on STN

Full Text

AN 96379688 MEDLINE
 DN PubMed ID: 8787701
 TI Direct quantification of pentosidine in urine and serum by HPLC with column switching.
 AU Takahashi M; Hoshino H; Kushida K; Kawana K; Inoue T
 CS Department of Orthopedic Surgery, Hamamatsu University School of Medicine, Japan.
 SO Clinical chemistry, (1996 Sep) Vol. 42, No. 9, pp. 1439-44.
 Journal code: 9421549. ISSN: 0009-9147.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199610
 ED Entered STN: 6 Nov 1996
 Last Updated on STN: 6 Nov 1996
 Entered Medline: 22 Oct 1996

L17 ANSWER 142 OF 176 MEDLINE on STN

Full Text

AN 96291451 MEDLINE
 DN PubMed ID: 8726385
 TI Nitric oxide donor alleviates ovariectomy-induced bone loss.
 AU Wimalawansa S J; De Marco G; Gangula P; Yallampalli C
 CS Department of Internal Medicine, University of Texas Medical Branch at Galveston, USA.. swimalaw@intmeds1.utmb@hhost.utmb.edu
 NC R01-HD 30273 (NICHD)
 SO Bone, (1996 Apr) Vol. 18, No. 4, pp. 301-4.
 Journal code: 8504048. ISSN: 8756-3282.
 CY United States
 DT (COMPARATIVE STUDY)
 Journal; Article; (JOURNAL ARTICLE)
 (RESEARCH SUPPORT, NON-U.S. GOV'T)
 (RESEARCH SUPPORT, U.S. GOV'T, P.H.S.)
 LA English
 FS Priority Journals
 EM 199609
 ED Entered STN: 8 Oct 1996
 Last Updated on STN: 8 Oct 1996
 Entered Medline: 24 Sep 1996

L17 ANSWER 143 OF 176 MEDLINE on STN
Full Text
 AN 96269483 MEDLINE
 DN PubMed ID: 8668292
 TI [Experimental **osteoporosis** caused by estrogen deficiency in rats. Role of a lactose, L-**arginine** and L-lysine combination in the prevention and therapy].
Osteoporosi sperimentale da carenza estrogenica nel ratto. Ruolo dell'associazione lattosio, L-arginina, L-lisina nella prevenzione e terapia.
 AU Fini M; Giardino R; Mongiorgi R; Cantelli Forti G; Gnudi S; Nicoli Aldini N; Valdre C; Piotti D; Giavaresi G; Orienti L; Rocca M; Sapone A; Rossetti A
 CS Servizio di Chirurgia Sperimentale IOR Universita degli Studi, Bologna.
 SO Minerva medica, (1996 Mar) Vol. 87, No. 3, pp. 81-8.
 Journal code: 0400732. ISSN: 0026-4806.
 CY Italy
 DT (COMPARATIVE STUDY)
 (ENGLISH ABSTRACT)
 Journal; Article; (JOURNAL ARTICLE)
 LA Italian
 FS Priority Journals
 EM 199608
 ED Entered STN: 19 Aug 1996
 Last Updated on STN: 19 Aug 1996
 Entered Medline: 5 Aug 1996

L17 ANSWER 144 OF 176 MEDLINE on STN
Full Text
 AN 96226482 MEDLINE
 DN PubMed ID: 8967473
 TI Effect of nitric oxide synthase inhibitors on bone metabolism in growing rats.
 AU Tsukahara H; Miura M; Tsuchida S; Hata I; Hata K; Yamamoto K; Ishii Y; Muramatsu I; Sudo M
 CS Department of Pediatrics, Fukui Medical School, Japan.
 SO The American journal of physiology, (1996 May) Vol. 270, No. 5 Pt 1, pp. E840-5.
 Journal code: 0370511. ISSN: 0002-9513.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199612
 ED Entered STN: 28 Jan 1997
 Last Updated on STN: 28 Jan 1997
 Entered Medline: 6 Dec 1996

L17 ANSWER 145 OF 176 MEDLINE on STN
Full Text
 AN 96217272 MEDLINE
 DN PubMed ID: 8641185
 TI Bone sialoprotein stimulates in vitro bone resorption.
 AU Raynal C; Delmas P D; Chenu C
 CS INSERM U-403, Hopital Edouard Herriot, Lyon, France.
 SO Endocrinology, (1996 Jun) Vol. 137, No. 6, pp. 2347-54.
 Journal code: 0375040. ISSN: 0013-7227.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Abridged Index Medicus Journals; Priority Journals; Space Life Sciences
 EM 199607
 ED Entered STN: 26 Jul 1996
 Last Updated on STN: 26 Jul 1996
 Entered Medline: 18 Jul 1996

L17 ANSWER 146 OF 176 MEDLINE on STN
Full Text
 AN 96173079 MEDLINE
 DN PubMed ID: 8589242
 TI Approach to discovering novel therapeutic agents for **osteoporosis** based

on integrin receptor blockade.
 AU Chorev M; Dresner-Pollak R; Eshel Y; Rosenblatt M
 CS Division of Bone and Mineral Metabolism, Beth Israel Hospital, Boston, MA
 02215, USA.
 SO Biopolymers, (1995) Vol. 37, No. 6, pp. 367-75. Ref: 44
 Journal code: 0372525. ISSN: 0006-3525.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 General Review; (REVIEW)
 LA English
 FS Priority Journals
 EM 199603
 ED Entered STN: 4 Apr 1996
 Last Updated on STN: 4 Apr 1996
 Entered Medline: 27 Mar 1996

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L17 ANSWER 142 OF 176 MEDLINE on STN

Full Text

AN 96291451 MEDLINE

TI Nitric oxide donor alleviates ovariectomy-induced bone loss.

AU Wimalawansa S J; De Marco G; Gangula P; Yallampalli C

SO Bone, (1996 Apr) Vol. 18, No. 4, pp. 301-4.

Journal code: 8504048. ISSN: 8756-3282.

AB Nitric oxide (NO) has been reported to inhibit osteoclastic bone resorption. We examined the bone-sparing effect of NO after 6 weeks of administration into estrogen-deficient rats. 30 female Sprague-Dawley rats, 12 weeks of age, underwent ovariectomy (OVX), and 5 rats were sham-operated. OVX rats were assigned to six groups (n = 5/group) treated respectively with: vehicle; 17-beta-estradiol (E2); nitroglycerine (NG, NO donor); NG-nitro-L-arginine methyl ester (L-NAME, NO synthase inhibitor); combination of E2 + NG; and a combination of E2 + L-NAME. Prior to treatment and at the end of the treatment period, bone mineral density (BMD) of rats was measured by dual-energy X-ray absorptiometry (DXA) scanning. OVX animals had significantly lower BMD and femur weights in comparison to sham operated rats (p < 0.01), and this was completely prevented by the administration of E2 (p < 0.01). Administration of NG alone prevented OVX-induced bone loss (p < 0.05). The combination of E2 + NG did not further enhance the bone mass or femur weight, and the OVX-induced bone loss was not further aggravated by L-NAME. However, in the presence of L-NAME, E2 was totally ineffective in reversing the bone loss, suggesting that the protective effect of estrogens against bone loss may be mediated through NO. In summary, the results suggest that NO counteracts the bone loss associated with OVX.

AB OVX rats were assigned to six groups (n = 5/group) treated respectively with: vehicle; 17-beta-estradiol (E2); nitroglycerine (NG, NO donor); NG-nitro-L-arginine methyl ester (L-NAME, NO synthase inhibitor); combination of E2 + NG; and a combination of E2 + L-NAME. Prior to. . . .

CT Check Tags: Female

Analysis of Variance

Animals

Arginine: AD, administration & dosage

Arginine: AA, analogs & derivatives

Arginine: PD, pharmacology

*Bone Density: DE, drug effects

Densitometry, X-Ray

Disease Models, Animal

Drug Synergism

Drug Therapy, Combination

Enzyme Inhibitors: . . . physiology

Nitric Oxide Synthase: AI, antagonists & inhibitors

Nitroglycerin: AD, administration & dosage

Nitroglycerin: PD, pharmacology

*Nitroglycerin: TU, therapeutic use

*Osteoporosis, Postmenopausal: DT, drug therapy

Osteoporosis, Postmenopausal: ET, etiology

Osteoporosis, Postmenopausal: PP, physiopathology

Ovariectomy: AE, adverse effects

Rats

Rats, Sprague-Dawley
 RN 10102-43-9 (Nitric Oxide); 50-28-2 (Estradiol); 50903-99-6
 (NG-Nitroarginine Methyl Ester); 55-63-0 (Nitroglycerin); 74-79-3
 (Arginine)

L17 ANSWER 150 OF 176 MEDLINE on STN

Full Text

AN 95182918 MEDLINE
 TI **Arginine** supplementation in the prevention and treatment of **osteoporosis**.
 AU Visser J J; Hoekman K
 SO Medical hypotheses, (1994 Nov) Vol. 43, No. 5, pp. 339-42.
 Journal code: 7505668. ISSN: 0306-9877.
 AB Oral administration of L-**arginine** in pharmacological doses induces growth hormone and insulin-like growth factor-I responses and stimulates nitric oxide synthesis. Growth hormone and insulin-like growth factor-I are important mediators of bone turnover and osteoblastic bone formation, while nitric oxide is a potent inhibitor of osteoclastic bone resorption. Because of this dual effect on physiological regulators of bone remodeling, L-**arginine** could potentially increase bone formation over bone resorption, and, consequently, increase bone mass. It is, therefore, hypothesized that oral supplementation of L-**arginine** may be a novel strategy in the prevention and treatment of **osteoporosis**. Studies of this simple, safe, and inexpensive therapy seem warranted.
 TI **Arginine** supplementation in the prevention and treatment of **osteoporosis**.
 AB Oral administration of L-**arginine** in pharmacological doses induces growth hormone and insulin-like growth factor-I responses and stimulates nitric oxide synthesis. Growth hormone and insulin-like . . . oxide is a potent inhibitor of osteoclastic bone resorption. Because of this dual effect on physiological regulators of bone remodeling, L-**arginine** could potentially increase bone formation over bone resorption, and, consequently, increase bone mass. It is, therefore, hypothesized that oral supplementation of L-**arginine** may be a novel strategy in the prevention and treatment of **osteoporosis**. Studies of this simple, safe, and inexpensive therapy seem warranted.
 CT Administration, Oral
Arginine: AD, administration & dosage
 ***Arginine: TU, therapeutic use**
 Bone Development
 Bone Remodeling
 Growth Hormone: ME, metabolism
 Humans
 Insulin-Like Growth Factor I: ME, metabolism
Osteoporosis: DT, drug therapy
 ***Osteoporosis: PC, prevention & control**
 RN 67763-96-6 (Insulin-Like Growth Factor I); 74-79-3 (**Arginine**); 9002-72-6 (Growth Hormone)

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

41.60

98.36

STN INTERNATIONAL LOGOFF AT 19:05:04 ON 10 JUN 2007